

20011214.qrp v02\_n405.qrl.20011214

Date: Fri, 14 Dec 2001 19:03:08 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2405

QRP-L Digest 2405

Topics covered in this issue include:

- 1) [114760] Re: RX Noise Bridge References  
by "George, W5YR" <w5yr@att.net>
- 2) [114761] FS items  
by "kw3u@warwick.net" <kw3u@warwick.net>
- 3) [114762] Re: [SPICE] Tapped Air Inductors  
by "Leon Heller" <leon\_heller@hotmail.com>
- 4) [114763] VE3FAL FOX Reminder  
by Fred Lesnick <flesnick@tbaytel.net>
- 5) [114764] Re: Window Antenna  
by FIVEWATTS@aol.com
- 6) [114765] Re: [SPICE] Tapped Air Inductors  
by "Leon Heller" <leon\_heller@hotmail.com>
- 7) [114766] HB - using modern crystals in tube rigs  
by "Harry Hurst" <wa3ptg@home.com>
- 8) [114767] RE: SWR Question  
by Nick Kennedy <nkennedy@tcainternet.com>
- 9) [114768] Re: HB - using modern crystals in tube rigs  
by "Trevor Jacobs" <fxtech@earthlink.net>
- 10) [114769] For trade: Tube QRP Transmitter  
by Karl Heimbach <kheimbach@ev1.net>
- 11) [114770] VE3FAL freq change  
by Fred Lesnick <flesnick@tbaytel.net>
- 12) [114771] Re: RX Noise Bridge References  
by David Hinerman <wd8civ@worldnet.att.net>
- 13) [114772] Re: [QFOX] VE3FAL freq change  
by "Karl F. Larsen" <k5di@zianet.com>
- 14) [114773] I give up  
by "Karl F. Larsen" <k5di@zianet.com>
- 15) [114774] Re: Some more magloop experimenting  
by Steve Yates - AA5TB <aa5tb@arrl.net>
- 16) [114775] FOX: N4DD  
by "Tom" <n1tp@worldnet.att.net>
- 17) [114776] Worked Fred  
by "Karl F. Larsen" <k5di@zianet.com>
- 18) [114777] FOX: N4DD Spot  
by "Tom" <n1tp@worldnet.att.net>
- 19) [114778] Virus Alert

by "William Boose" <n3wst@hydrosoft.net>  
20) [114779] FOXes are Running [g]  
by Doc <70511.3041@compuserve.com>  
21) [114780] Re: Virus Alert  
by "Rob Matherly" <kc0bom@arrl.net>  
22) [114781] FOX: Well ...  
by "Karl F. Larsen" <k5di@zianet.com>  
23) [114782] Re: [SPICE] Tapped Air Inductors  
by "Brad Hernlem" <alihernlem@hotmail.com>  
24) [114783] Re: Virus Alert  
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
25) [114784] Re: Virus Alert  
by "Mike WA8BXN" <hubby2k@hotmail.com>  
26) [114785] Re: I give up  
by Bill ROWLETT <kc4atu@yahoo.com>  
27) [114786] Re: Virus Alert  
by bob evinger <wd9eka@arrl.net>  
28) [114787] Fox -- Got Both... Maybe...  
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
29) [114788] Re: Thanks Foxes and Truffle  
by "Mike Malone" <mmalone@worldlogon.com>  
30) [114789] Both Foxes  
by rfcdma@spinn.net  
31) [114790] What is THAT?  
by Dave Gingrich K9DC <gingrich2@dcg.org>  
32) [114791] Fox -- Commercial Jammer???  
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
33) [114792] Re Virus Alert ===Bogus, please read !!!  
by "William Boose" <n3wst@hydrosoft.net>  
34) [114793] Fox: VE3FAL  
by Pete Burbank <plburbank@kih.net>  
35) [114794] The Grinch Who Stole Fox Hunting  
by "K7FD-N7SG" <k7fd@earthlink.net>  
36) [114795] Re: RX Noise Bridge References  
by Bob Nielsen <nielsen@oz.net>  
37) [114796] Thanks All, VE3FAL  
by Fred Lesnick <flesnick@tbaytel.net>  
38) [114797] Cub Fox 12/11 Final Log  
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
39) [114798] Re: Worked Fred  
by "George, W5YR" <w5yr@att.net>  
40) [114799] FOX: Truffle Log Thursday  
by "Tom" <n1tp@worldnet.att.net>  
41) [114800] Re: FOX: N4DD FOX ADVISORY  
by RLemmel@aol.com  
42) [114801] sort of a dumb question but I have to know  
by FIVEWATTS@aol.com  
43) [114802] Re: Fox -- Commercial Jammer???

by =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@yahoo.com>

44) [114803] FOX: Bagged 'em both  
by John Wagner <john@wagner-usa.net>

45) [114804] Re: [Antennas] sort of a dumb question but I have to know  
by FIVEWATTS@aol.com

46) [114805] FOX: N4DD and VE3FAL - excellent FOXes  
by "Tom" <n1tp@worldnet.att.net>

47) [114806] Re: [KLQRP] Intro...  
by George Gingell <k3tks@u1.abs.net>

48) [114807] Re: [SPICE] Tapped Air Inductors  
by "Leon Heller" <leon\_heller@hotmail.com>

49) [114808] WANTED: Autek QF-1A filter  
by ARDUJENSKI@aol.com

50) [114809] Re: Thanks All, VE3FAL  
by "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>

51) [114810] Re: Virus Alert  
by "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>

52) [114811] Re: sort of a dumb question but I have to know  
by "Mike Yetsko" <myetsko@insydesw.com>

53) [114812] Re: Fox -- Commercial Jammer???  
by ka1iic <ka1iic@prexar.com>

54) [114813] FOX: Final Truffle LOG - Thursday  
by "Tom" <n1tp@worldnet.att.net>

55) [114814] Re: sort of a dumb question but I have to know  
by Alex <kr1st@amsat.org>

56) [114815] Re: I give up  
by W2AGN <w2agn@pobox.com>

57) [114816] RE: sort of a dumb question but I have to know  
by Nick Kennedy <nkennedy@tcainternet.com>

58) [114817] Re: N4DD and VE3FAL - excellent FOXes  
by "Rod N0RC" <rod@n0rc.com>

59) [114818] Re: [SPICE] Tapped Air Inductors  
by John Seboldt K0JD <k0jd-1@seboldt.net>

60) [114819] Re: sort of a dumb question but I have to know  
by WE7X@aol.com

61) [114820] Re: Some more magloop experimenting  
by Alex <kr1st@amsat.org>

62) [114821] Re: FOX: N4DD FOX ADVISORY  
by Dave Gingrich K9DC <gingrich2@dcg.org>

63) [114822] Window Sill--Thanks (Long)  
by "Don" <wb1cdh@yahoo.com>

64) [114823] Ferrit rod antennas (Thanks)  
by "Ingo, DK3RED" <dk3red@t-online.de>

65) [114824] Arkansas High Point Saturday  
by "David Bixler" <qrp@netins.net>

66) [114825] OT: contacting someone in Sudan  
by Brad Mitchell <n8yg@yahoo.com>

67) [114826] Re: OT: contacting someone in Sudan

- by Brad Mitchell <n8yg@yahoo.com>
- 68) [114827] The ultimate homebrew magloop tuning cap?  
by Alex <kr1st@amsat.org>
- 69) [114828] Re: [SPICE] Tapped Air Inductors  
by "Harold Smith" <harold.smith1@worldnet.att.net>
- 70) [114829] Re: [SPICE] Tapped Air Inductors  
by "Leon Heller" <leon\_heller@hotmail.com>
- 71) [114830] Practical Wireless  
by "Ingo, DK3RED" <dk3red@t-online.de>
- 72) [114831] Kenwood TS-50 for sale  
by N10DL@aol.com
- 73) [114832] VE3BBN Spark Transmission  
by Jim Campbell <jim-c@nc.rr.com>
- 74) [114833] Re: The ultimate homebrew magloop tuning cap?  
by "Tim A. King Jr." <iflyos@hotmail.com>
- 75) [114834] 10m 'test  
by wb0wao@hotmail.com (Dennis Ponsness)
- 76) [114835] Re: 10m 'test  
by "Tim A. King Jr." <iflyos@hotmail.com>
- 77) [114836] Re: [SPICE] Tapped Air Inductors  
by "Brad Hernlem" <alihernlem@hotmail.com>
- 78) [114837] FOX: N4DD Preliminary Log  
by "Dennis Brickey" <n4dd@preferred.com>
- 79) [114838] Re: Some more magloop experimenting  
by "John Dorson" <jdorson@Worldshare.net>
- 80) [114839] Re: sort of a dumb question but I have to know  
by "Rob Matherly" <kc0bom@arrl.net>
- 81) [114840] Re: sort of a dumb question but I have to know  
by Paul Womble <pwomble1@tampabay.rr.com>
- 82) [114841] 10 meter contest .....  
by "George Osier" <gosier@twcnny.rr.com>
- 83) [114842] Re: sort of a dumb question but I have to know  
by N0tk@aol.com
- 84) [114843] Re: sort of a dumb question but I have to know  
by Steven Weber <kd1jv@moose.ncia.net>
- 85) [114844] Re: FOX: N4DD Preliminary Log  
by "George, W5YR" <w5yr@att.net>
- 86) [114845] #83 confimed ..... FG/T97M  
by "George Osier" <gosier@twcnny.rr.com>
- 87) [114846] FOX: propagation / comment on hunt structure  
by k9iua@juno.com
- 88) [114847] [Fwd: [CQ-Contest] ARRL Ten Meter Contest]  
by Paul Womble <pwomble1@tampabay.rr.com>
- 89) [114848] QRP WAS Map 4 free  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 90) [114849] ARRL 10M contest  
by alan.kaul@att.net
- 91) [114850] [SPICE] More tapped inductor turmoil

- by "Brad Hernlem" <alihernlem@hotmail.com>
- 92) [114851] Re: [QRP WAS Map 4 free]  
by Rod Cerkoney <rod@n0rc.com>
- 93) [114852] Re: Back to Back Xformers  
by "John Kirk" <ve6xt@hotmail.com>
- 94) [114853] Re: The ultimate homebrew magloop tuning cap?  
by "Chuck Carpenter" <w5usj@globeco.net>
- 95) [114854] Re: sort of a dumb question but I have to know  
by "Ted Williams" <ted@g0ull.fsnet.co.uk>
- 96) [114855] Amazing .....  
by "k8cv" <k8cv@netzero.net>
- 97) [114856] Re: sort of a dumb question but I have to know  
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
- 98) [114857] RE: QRP-L digest 2404  
by "Steve Markowitz" <sdmarko@attglobal.net>
- 99) [114858] CW "goodies" FS  
by "Ken Simpson, W8EK" <W8EK@fdt.net>
- 100) [114859] Re: [SPICE] More tapped inductor turmoil  
by "Leon Heller" <leon\_heller@hotmail.com>
- 101) [114860] Herring Aid 5 PCB Dimensions  
by "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
- 102) [114861] Re: [SPICE] More tapped inductor turmoil  
by "Leon Heller" <leon\_heller@hotmail.com>
- 103) [114862] Re: [SPICE] More tapped inductor turmoil  
by "Brad Hernlem" <alihernlem@hotmail.com>
- 104) [114863] Re: The ultimate homebrew magloop tuning cap?  
by Pete Burbank <plburbank@kih.net>
- 105) [114864] More mag loop stuff  
by Pete Burbank <plburbank@kih.net>
- 106) [114865] A suggestion  
by Mark Fields <mark\_ke5my@juno.com>
- 107) [114866] FOX hunting and DXing  
by "Chuck Carpenter" <w5usj@globeco.net>
- 108) [114867] Remove from List  
by OJ Lougheed <ojl@nerpa.net>
- 109) [114868] Re: [QRP WAS Map 4 free]  
by "Rod N0RC" <rod@n0rc.com>
- 110) [114869] Re: Remove from List  
by "Rod N0RC" <rod@n0rc.com>
- 111) [114870] Re: [QRP WAS Map 4 free]  
by Larry Cahoon <lejek@erols.com>

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Date: Thu, 13 Dec 2001 18:11:29 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: ctrask@primenet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [114760] Re: RX Noise Bridge References  
Message-ID: <3C1943B1.80264348@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The Hubbs and Doting reference - Ham Radio, February 1977 - is particularly good. I built the unit they designed and it worked very well.

I think that everyone should understand that a noise bridge is a very useful device but it is not as convenient to use or as accurate, in general, as a impedance analyzer, such as the MFJ and AEA/Tempo units. But, they also cost a good deal less!

Many of its inherent faults are discussed in the Hubbs and Doting article and effective modifications are suggested.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262  
Amateur Radio W5YR, in the 56th year and it just keeps getting better!  
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Chris Trask wrote:

>  
> I'm going to add these to my technical bibliographies as a  
> separate item. If anybody has any additions to this list, please sent  
> them my way and I will include them.

-----  
Date: Thu, 13 Dec 2001 19:16:44 -0500  
From: "kw3u@warwick.net" <kw3u@warwick.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [114761] FS items  
Message-ID: <3C1944EC.6652CEE4@warwick.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi;

Have for sale a couple items that may be of interest to someone.

1. Tuner: B & W model VS300A (doesn't have crossneedle meter).  
2 coax 's , bypass , and wire ant (single or bal line)

controls are transmitter, inductance (a thru l), antenna,  
and forward/reverse switch. 300watt but I only tested up

to 100w on it. works good , looks good.

10 1/2 X 8 1/2 X 3.

asking \$70 shipped.

2. SWR/Pwr meter: WELZ model SP122 1.5 - 60 mhz swr/power meter.

looks and works great has two wires for

hookup to

13v for light (I used 9v batt).

Ranges 20w - 200w - 2kw

Function switch : power, cal, swr

Power switch: fwd, rev , off

avg and pep

5 X 4 X 3

asking \$35 shipped

thanks Jim KW3U

-----  
Date: Fri, 14 Dec 2001 00:21:25 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: aliherlem@hotmail.com, qrp-l@Lehigh.EDU  
Subject: [114762] Re: [SPICE] Tapped Air Inductors  
Message-ID: <F8ez2NoKMHG0eg3eruQ00003215@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>  
>OK, so I decided to "SPICE" up my life and try to learn a little about  
>using  
>such modelling software. Linear Technology (www.linear.com) has a SPICE  
>engine called SwitcherCADIII that is freely available on their site and so  
>I  
>decided to poke around with it.

That is supposed to be a good implementation of SPICE, with lots of  
enhancements.

>  
>Question:  
>

>How do folks model a tapped air core inductor?

>

>I am assuming two inductors in series and then specifying some mutual

>inductance .... BUT .... what to set as the inductance of the sections?

>

I think you can just use two coils in series, to keep things simple. You don't need to bother about the mutual inductance between them. I vaguely remember simulating a Hartley oscillator like this some time ago. Calculate the inductance of the two sections from the number of turns in each.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com

My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

My low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

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Date: Thu, 13 Dec 2001 19:23:15 -0500

From: Fred Lesnick <flesnick@tbaytel.net>

To: QRPL <qrp-1@Lehigh.EDU>, "QFOX@egroups.com" <QFOX@egroups.com>

Subject: [114763] VE3FAL FOX Reminder

Message-ID: <3C194673.4F1E0FE3@tbaytel.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Just to remind all that I will be Fox tonight at 0200z(Dec 14/01)

I will be transmitting on 7.039 +/- and listening down 1-1.5 +/-.

Hope the qrm is not too bad tonight.

Band seems fairly quiet now.

Fred

VE3FAL

Thunder Bay, Ontario

-----

Date: Thu, 13 Dec 2001 19:33:53 EST

From: FIVEWATTS@aol.com

To: k5xu@netdoor.com, qrp-1@lehigh.edu



Subject: [114764] Re: Window Antenna  
Message-ID: <15.1f6a80ec.294aa2f1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 12/13/01 6:47:02 PM Eastern Standard Time,  
k5xu@netdoor.com writes:

<<  
MFJ recently released a window antenna which can also be used mobile. It's  
on the "What's New" page at <http://www.mfjenterprises.com>.  
>>

Well,  
It looks like one I built 20 years ago.  
Also it looks like the B&W coil on a PVC tube and I guess the balun is  
inside.  
Big bucks for that and I'd rather pick up a resonator for the bands I use.  
I see where MFJ dropped the folded dipole and now have something different  
with some sort of matching device at the feed point.  
300 ohm twinlead is cheap and you can get free wire fro electricians at  
construction sites.  
Bob  
WA2HOQrp <tm>

-----  
Date: Fri, 14 Dec 2001 00:37:04 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: leon\_heller@hotmail.com, qrp-l@Lehigh.EDU  
Subject: [114765] Re: [SPICE] Tapped Air Inductors  
Message-ID: <F64kfzDskqC5EtrUVYK000031e4@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>  
>  
>I think you can just use two coils in series, to keep things simple. You  
>don't need to bother about the mutual inductance between them. I vaguely  
>remember simulating a Hartley oscillator like this some time ago. Calculate  
>the inductance of the two sections from the number of turns in each.

Further to the above, I just found an example of this sort of thing, and it  
does use mutual inductance. Since the two coils are effectively closely  
coupled, something like 0.9995 is probably appropriate.

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com

My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

My low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

-----  
Date: Thu, 13 Dec 2001 19:56:08 -0500

From: "Harry Hurst" <wa3ptg@home.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [114766] HB - using modern crystals in tube rigs

Message-ID: <007401c1843a\$1e4b3760\$0400a8c0@home.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Someone may have already posted this idea, I don't often get to real \*all\* posts on QRP-L, so I apologize if I'm redundant.

There have been several posts about the problems using modern crystals in tube transmitters. If modern crystals can't handle the stresses of tube circuits, why not build your tube rig with a solid-state crystal oscillator. The modern crystal could be mounted in a FT-243 crystal holder, the oscillator could drive the 6C4 or whatever tube the rig uses. The rig would still be mostly tubes, old crystals as well as modern ones could be used in the rig. It won't harm the nostalgia value of the rig. The problem is solved, and the phony stuff (the transistor circuit) is hidden away inside the rig. No one has to know!

I built a rig like that back in olden times, when men were men, radios were mounted in 19" racks and heated your house. I knew how to build a solid-state crystal oscillator, and I could build anything with tubes, but solid state PAs were a mystery to me. There weren't many 25 cent finals in those days. The rig was as described above, a crystal oscillator driving a 6C4. I think it ran a watt or two, anyway, I made a lot of contacts with it before improving it until it no longer worked.

Parts arrived today. Little Parts. Happy Parts. Parts with wires. Love those wires.

72

Hap, WA3PTG

Wilmington DE

-----  
Date: Thu, 13 Dec 2001 19:36:50 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114767] RE: SWR Question  
Message-ID: <01C1840D.8377EAC0.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I've seen this kind of debate go on endlessly, but I have to jump in again.

My version:

When you adjust your tuner to get a 1:1 SWR indicated at its input, you are providing a 50 ohm load for the transmitter to connect to. The transmitter's internal impedance may or may not equal 50 ohms. The SWR meter located between the transmitter and the tuner should indicate 1:1 regardless of the transmitter and its internal impedance.

The case of the FT-804 and the K1 is, to me, still an unsolved mystery.

72--Nick, WA5BDU

n7dma@mindspring.com wrote on 12/7/01 7:31 pm:

>Hi, Gang:  
>When I tune my antenna  
>with my antenna tuner to  
>match  
>my FT-840, then switch over  
>to the K1, the antenna tuner  
>needs to be  
>readjusted, on some bands  
>quite a lot.  
>

You install the antenna tuner for two reasons

- 1) You want to protect your investment in finals and
- 2) You want optimal RF transfer to your antenna.

By adjusting the antenna tuner for lowest SWR, you are optimizing the load for best RF transfer.

Since you have two radios, you have two different solutions.

Welcome to the real world.

73 Adam

-----  
Date: Thu, 13 Dec 2001 17:36:01 -0800  
From: "Trevor Jacobs" <fxtech@earthlink.net>  
To: <wa3ptg@home.com>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [114768] Re: HB - using modern crystals in tube rigs  
Message-ID: <000b01c1843f\$b1b63900\$3d63fc9e@tjnotebook>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Peterson Radio will make you any frequency that you need for a tube type rig and they are not too expensive. I think around \$10.00. Don't have the contact info with me, but will look it up when I'm back in Burbank this weekend if anyone needs it. They can even provide FT-243 pin spacing if that's what you want.

72/73's

Trev

KG6CYN

----- Original Message -----

From: "Harry Hurst" <wa3ptg@home.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, December 13, 2001 4:56 PM  
Subject: HB - using modern crystals in tube rigs

> Someone may have already posted this idea, I don't often get to read \*all\*  
> posts on QRP-L, so I apologize if I'm redundant.  
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> There have been several posts about the problems using modern crystals in  
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> I built a rig like that back in olden times, when men were men, radios  
were  
> mounted in 19" racks and heated your house. I knew how to build a  
> solid-state crystal oscillator, and I could build anything with tubes, but  
> solid state PAs were a mystery to me. There weren't many 25 cent finals  
in  
> those days. The rig was as described above, a crystal oscillator driving  
a  
> 6C4. I think it ran a watt or two, anyway, I made a lot of contacts with  
it  
> before improving it until it no longer worked.  
>  
> Parts arrived today. Little Parts. Happy Parts. Parts with wires. Love  
> those wires.  
>  
> 72  
> Hap, WA3PTG  
> Wilmington DE  
>  
>  
>

-----  
Date: Thu, 13 Dec 2001 19:41:31 -0600  
From: Karl Heimbach <kheimbach@ev1.net>  
To: qrp-l@Lehigh.edu  
Subject: [114769] For trade: Tube QRP Transmitter  
Message-ID: <5.1.0.14.2.20011213193855.00aab9e8@mail.ev1.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I have a completed Cake Pan 2 tube transmitter that I'd like to trade for a  
solid state qrp transceiver. If interested, please reply direct.

Thanks,

Karl - W5QJ

-----  
Date: Thu, 13 Dec 2001 20:42:54 -0500  
From: Fred Lesnick <flesnick@tbaytel.net>  
To: QRPL <qrp-1@Lehigh.EDU>, "QFOX@egroups.com" <QFOX@egroups.com>  
Subject: [114770] VE3FAL freq change  
Message-ID: <3C19591E.AA63BABD@tbaytel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang:

Just listening to the band with 20 minutes left to go.  
I will be transmitting on 7.046 and listenig up 1-2 . This looks like  
the best spot, and should be far enough away from the other rascal.

Fred  
VE3FAL

-----  
Date: Thu, 13 Dec 2001 21:08:40 -0500  
From: David Hinerman <wd8civ@worldnet.att.net>  
To: qrp-1@lehigh.edu  
Subject: [114771] Re: RX Noise Bridge References  
Message-ID: <3.0.6.32.20011213210840.00797910@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 11:11 PM 12/13/01, you wrote:

>>J. Grebenkemper, "Improving and Using R-X Noise Bridges,"

>>QST, Aug 1989, pp 27-32, 52.

>

>This one seems to be available on-line (only caveat being that you need  
>to be able to read Russian):

FYI, you can use <http://babelfish.altavista.com> to translate Web pages  
between a number of languages. Choose your TO and FROM languages and either  
enter some text or give it a URL and it will translate. It's rough, but you  
can get an idea of what's being discussed. If you use a URL the translated  
page will be displayed with all the graphics from the original page.

Unfortunately it won't do PDF files like the one you mentioned, but for  
most Web pages it works well.

Dave

-----  
Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Thu, 13 Dec 2001 19:29:38 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "QFOX@egroups.com" <QFOX@yahoo.com>  
Cc: QRPL <qrp-1@Lehigh.EDU>  
Subject: [114772] Re: [QFOX] VE3FAL freq change  
Message-ID: <Pine.LNX.4.33.0112131928110.3028-100000@localhost.localdomain>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

When you stop taking the guys on your own frequency and for gods sake at least tune up 500 Hz you will hear me. But I have called 30 times and given up. Your still stuck on your own frequency.

On Thu, 13 Dec 2001, Fred Lesnick wrote:

> Gang:  
> Just listening to the band with 20 minutes left to go.  
> I will be transmitting on 7.046 and listenig up 1-2 . This looks like  
> the best spot, and should be far enough away from the other rascal.  
>  
>  
> Fred  
> VE3FAL  
>  
> ----- Yahoo! Groups Sponsor ----->  
> Stop Smoking Now  
> Nicotrol will help  
> [http://us.click.yahoo.com/2vN8tD/\\_pSDAA/ySSFAA/ELTo1B/TM](http://us.click.yahoo.com/2vN8tD/_pSDAA/ySSFAA/ELTo1B/TM)  
> ----->  
>  
> To unsubscribe from this group, send an email to:  
> QFOX-unsubscribe@egroups.com  
>  
>  
>  
> Your use of Yahoo! Groups is subject to <http://docs.yahoo.com/info/terms/>  
>  
>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----  
Date: Thu, 13 Dec 2001 19:34:55 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [114773] I give up  
Message-ID: <Pine.LNX.4.33.0112131929570.3028-100000@localhost.localdomain>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can't find the Foxes but when I do Fred has moved to 7046 and is NOT listening Up at all period.

I hear foxes calling Dennise but can't copy N4DD at all. I worked Tom in the truffle no problem in the same direction.

Until we can convince the Foxes to work slit, the current number of hounds is too much. I for one am going to quit. It is no fun at all. We implore the fox stations to do something and they refuse.

Well if they continue working simplex soon there will be fewer Hounds like me.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----  
Date: Thu, 13 Dec 2001 20:35:07 -0600  
From: Steve Yates - AA5TB <aa5tb@arrl.net>  
To: QRP-L Distribute <qrp-l@Lehigh.EDU>  
Subject: [114774] Re: Some more magloop experimenting  
Message-ID: <000301c18447\$f36dfa60\$4b723ed8@pavilion>  
MIME-version: 1.0



Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Hi Alex,

I agree with Pete regarding the connections. It is really an art to get a mechanical connection to have an electrical resistance less than 25 or 50 milliohms and an alligator clip won't do it ;-)  
For a dipole with a high radiation resistance you can get by with a few ohms of resistance without hardly effecting the efficiency but with a very small antenna with a radiation resistance measured in milliohms it doesn't take but a few tens of milliohms to really degrade the efficiency. A small magnetic loop antenna MUST have its connections soldered or welded to have peak performance.  
Also, as Pete says, the connection to the capacitor needs to be of a large conductor for the same reason that the main loop is although I've skimped by in the past too.

I understand the experimental nature of your loop and I have had many constructed in much the same way but I agree this may be the reason for your difficulties. Also be aware of dielectric losses near the capacitor, such as walls, trees, etc.

In regards to the feed method I have found the "gamma" match and the small coupling loop to perform equally well. The method chosen is more a matter of builder's preference than anything else.

Keep us informed.

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://www.geocities.com/aa5tb>  
[aa5tb@arrl.net](mailto:aa5tb@arrl.net)

-----  
Date: Thu, 13 Dec 2001 21:39:07 -0500  
From: "Tom" <n1tp@worldnet.att.net>  
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>

Subject: [114775] FOX: N4DD  
Message-ID: <003b01c18448\$8177ac20\$8eb64d0c@tom>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anyone have a spot on Dennis?  
I've heard hounds around 7.038 apparently working Dennis,  
who apparently is listening down.

Fred is on 7.046, working UP .09 to 1, and is 599 into SW Florida.  
Although there is a lot of crud on the band, not to mention that N4ROW  
was calling "CQ" at QRO power right on top of Fred

Tom, N1TP

-----  
Date: Thu, 13 Dec 2001 19:45:41 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [114776] Worked Fred  
Message-ID: <Pine.LNX.4.33.0112131943280.3051-100000@localhost.localdomain>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I tuned back to 7046.26 and no calls at all. So I sent my call  
twice and Fred answered me. When we got done bedlam started again.

Still don't even hear N4DD. Does anyone know where he lives?

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----  
Date: Thu, 13 Dec 2001 21:48:11 -0500  
From: "Tom" <n1tp@worldnet.att.net>  
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>  
Subject: [114777] FOX: N4DD Spot

Message-ID: <005e01c18449\$c5481880\$8eb64d0c@tom>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

N4DD is on 7.041 listening UP 1 to 2.

Tom, N1TP  
Naples, FL

-----  
Date: Thu, 13 Dec 2001 21:36:57 -0500  
From: "William Boose" <n3wst@hydrosoft.net>  
To: "Tom & Marie Chapman" <chapman@dejazzd.com>,  
      "Tom & Helen Dodson" <reader@pocketmail.com>,  
Subject: [114778] Virus Alert  
Message-ID: <001a01c18448\$55b324c0\$41a4a641@williamboose>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Just received this message from a friend who was worried he might have passed on a virus. I followed his directions found the virus and deleted it. It pays to check so here are the directions.  
To remove the virus.  
1. Go to "Start" -- "then to find or search" (depending on your computer)  
2. In the "search for files or folders" type sulfnbk.exe - this is the virus.  
3. In the "look in" make sure you're searching Drive C.  
4. Hit "search" button (or find).  
5. If this file shows up (it's an ugly blackish icon that will have the name "sulfnbk.exe" DO NOT OPEN IT!!  
6. Right click on the file - go down to delete and left click.  
7. It will ask you if you want to send it to the recycle bin, say yes.  
8. Go to your desktop (where your icons are) and double click on the Recycle Bin.  
9. Find and right click on "sulfnbk.exe and delete it again - or empty the bin.

If you find it, send this E-mail to all in your address book, because that's how it's transferred.

>From Bill: I found this on my computer, thus am passing this message on to you.

-----  
Date: Thu, 13 Dec 2001 21:53:30 -0500  
From: Doc <70511.3041@compuserve.com>  
To: "\"Low Power Amateur Radio" <qrp-1@Lehigh.EDU>  
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [114779] FOXes are Running [g]  
Message-ID: <200112132153\_MC3-EA53-D1B@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Gang:

Both FOXes have left their dens and are running hard. Dennis N4DD is at 7.040.7 and about 559 here. He was a bit louder earlier in the hunt. =

NOTE: He is calling CQ FOX with few takers. There is lots of voice QRM =  
on  
his frequency, and he has been working them up a bit.

Fred VE3FAL is on 7.046 and running 599+15 db right now (0252Z). There i=  
s  
a pretty good pileup after him. =

Go get 'em everyone. This could be a great night to get some pelts.

73,  
--Doc/K0EVZ

-----  
Date: Thu, 13 Dec 2001 20:58:07 -0600  
From: "Rob Matherly" <kc0bom@arrl.net>

To: <n3wst@hydrosoft.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114780] Re: Virus Alert  
Message-ID: <006e01c1844b\$2f3e24e0\$1111a541@intern01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Whuh oh, you just screwed your computer!!! That's a hoax.... the file you deleted is actually needed by windows to work!

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

-----

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----

From: William Boose <n3wst@hydrosoft.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, December 13, 2001 8:36 PM  
Subject: Virus Alert

Just received this message from a friend who was worried he might have passed on a virus. I followed his directions found the virus and deleted it. It pays

to check so here are the directions.

To remove the virus.

1. Go to "Start" -- "then to find or search" (depending on your computer)
2. In the "search for files or folders" type sulfnbk.exe - this is the virus.
3. In the "look in" make sure you're searching Drive C.
4. Hit "search" button (or find).
5. If this file shows up (it's an ugly blackish icon that will have the name

"sulfnbk.exe" DO NOT OPEN IT!!

6. Right click on the file - go down to delete and left click.
7. It will ask you if you want to send it to the recycle bin, say yes.
8. Go to your desktop (where your icons are) and double click on the Recycle Bin.
9. Find and right click on "sulfnbk.exe and delete it again - or empty the

bin.

If you find it, send this E-mail to all in your address book, because that's how it's transferred.

>From Bill: I found this on my computer, thus am passing this message on to you.

-----  
Date: Thu, 13 Dec 2001 20:01:26 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [114781] FOX: Well ...  
Message-ID: <Pine.LNX.4.33.0112131956450.3097-1000000@localhost.localdomain>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I stand corrected. Finally Dennise got Q2 and he was working up 1 or 2 KHz. When he got stronger and the Mexican phone quit and the guy calling CQ quit, I heard him well enough to call. He heard me and had to repeat my numbers twice, so propagation was terrible! QRM from Hams and others is terrible.

But thru it all I worked both foxes. Amazing. Think I will listen the last hour and see how that is...

--  
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----

Date: Fri, 14 Dec 2001 03:01:26  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: leon\_heller@hotmail.com  
Cc: qrp-1@lehigh.edu  
Subject: [114782] Re: [SPICE] Tapped Air Inductors  
Message-ID: <F27ovgyMok0MQdzcG1C000036fd@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Leon,

Thanks for your input. I had built up a model using series inductors with various values of mutual inductance. My problem is in choosing the values to assign to the individual sections of the series inductor. If I cut the coil at some point and use the formulas for computing the inductance of each half coil, the two values do not add to the inductance of the overall coil (which is really not cut but merely tapped).

Conceptually, looking into the tap point of a coil does the circuit REALLY "see" two inductances that appear to have the values computed as if they were independent?

What I am trying to do, as an instructive exercise, is to compute the resonance frequency of a tuning circuit where there is a capacitance across the entire coil and also one across a tapped portion of the coil (as in a "traditional, old-timey" bandspread arrangement). My SPICE model includes a third coil in series with a resistor that is being driven by an AC source with swept frequency. I am looking for the peak in the tank circuit for resonance.

Using values like those in my 40 meter regenerative receiver I am not getting very close agreement with the actual device.

>From: "Leon Heller" <leon\_heller@hotmail.com>

....

>

>I think you can just use two coils in series, to keep things simple. You  
>don't need to bother about the mutual inductance between them. I vaguely  
>remember simulating a Hartley oscillator like this some time ago. Calculate  
>the inductance of the two sections from the number of turns in each.

>

>73, Leon

>--

>Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com

>My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

>My low-cost Altera Flex design kit: <http://www.leonheller.com>

>

---

Join the world s largest e-mail service with MSN Hotmail.  
<http://www.hotmail.com>

---

Date: Thu, 13 Dec 2001 21:02:34 -0600  
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
To: n3wst@hydrosoft.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [114783] Re: Virus Alert  
Message-ID: <200112140302.AA00894@bolshoi.cc.misu.nodak.edu>  
Content-Type: text/plain  
Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

Folks, this is a HOAX. SULFNBK. EXE is a Windows system file.  
You \*will\* mess up your machine if you remove it!!! It is the Windows  
long file name handler. We spend days at work fixing people's machines  
after they get the "virus" warning, pass it around, and delete the above file.

\*DO NOT DO THIS\*!!!

72/73,

Todd, AG0T

---

Date: Fri, 14 Dec 2001 03:04:05  
From: "Mike WA8BXN" <hubby2k@hotmail.com>  
To: n3wst@hydrosoft.net, qrp-1@Lehigh.EDU  
Subject: [114784] Re: Virus Alert  
Message-ID: <F93tyi67EKRUyDlrjbu00003753@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

It appears the mentioned program is NOT a virus but a microsoft utility that  
should not be deleted. The message itself is the hoax. Use GOOGLE or your  
favorite search engine to look for the name sulfnbk and read for yourself to  
decide what action if you you want to take.



73 - Mike WA8BXN

>From: "William Boose" <n3wst@hydrosoft.net>  
>Reply-To: n3wst@hydrosoft.net  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Virus Alert  
>Date: Thu, 13 Dec 2001 21:36:57 -0500  
>  
>Just received this message from a friend who was worried he might have  
>passed  
>on a virus. I followed his directions found the virus and deleted it. It  
>pays  
>to check so here are the directions.  
>To remove the virus.  
>1. Go to "Start" -- "then to find or search" (depending on your computer)  
>2. In the "search for files or folders" type sulfnbk.exe - this is the  
>virus.  
>3. In the "look in" make sure you're searching Drive C.  
>4. Hit "search" button (or find).  
>5. If this file shows up (it's an ugly blackish icon that will have the  
>name  
> "sulfnbk.exe" DO NOT OPEN IT!!  
>6. Right click on the file - go down to delete and left click.  
>7. It will ask you if you want to send it to the recycle bin, say yes.  
>8. Go to your desktop (where your icons are) and double click on the  
>Recycle  
>Bin.  
>9. Find and right click on "sulfnbk.exe and delete it again - or empty the  
>bin.  
>  
>If you find it, send this E-mail to all in your address book, because  
>that's  
>how it's transferred.  
>  
>  
> >From Bill: I found this on my computer, thus am passing this message on  
>to  
>you.  
>  
>  
>  
>  
>  
>  
>

-----  
Join the world s largest e-mail service with MSN Hotmail.  
<http://www.hotmail.com>

-----  
Date: Thu, 13 Dec 2001 19:04:51 -0800 (PST)  
From: Bill ROWLETT <kc4atu@yahoo.com>  
To: k5di@zianet.com,  
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114785] Re: I give up  
Message-ID: <20011214030451.88854.qmail@web14205.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Ah, poor thing, the fox won't play by your rules. HE  
IS IN CHARGE. WHAT EVER HE WANTS TO DO IS JUST FINE.  
THAT IS HOW THE GAME IS PLAYED. This is training for  
working the DX pileups, not a walk in the park. Not  
all stations in the real world work split. Train your  
ears and consentrare on the timing of your call.

Bill KC4ATU

-----  
Do You Yahoo!?  
Check out Yahoo! Shopping and Yahoo! Auctions for all of  
your unique holiday gifts! Buy at <http://shopping.yahoo.com>  
or bid at <http://auctions.yahoo.com>

-----  
Date: Thu, 13 Dec 2001 22:09:13 -0500  
From: bob evinger <wd9eka@arrl.net>  
To: n3wst@hydrosoft.net, qrp-1@lehigh.edu  
Subject: [114786] Re: Virus Alert  
Message-ID: <3C196D59.30002@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

It's not viral, check the microsoft site or a virus site. They have  
lists of real and hoaxes. This is a real microsoft utility that is

provided with the operating system. Apparently somebody has started passing this one around again. One of the local MARS members passed this one locally and then found out that it was not real.

72 bob

William Boose wrote:

```
> Just received this message from a friend who was worried he might have
> passed
> on a virus. I followed his directions found the virus and deleted it. It
> pays
> to check so here are the directions.
> To remove the virus.
> 1. Go to "Start" -- "then to find or search" (depending on your computer)
> 2. In the "search for files or folders" type sulfnbk.exe - this is the
> virus.
> 3. In the "look in" make sure you're searching Drive C.
> 4. Hit "search" button (or find).
> 5. If this file shows up (it's an ugly blackish icon that will have the name
> "sulfnbk.exe" DO NOT OPEN IT!!
> 6. Right click on the file - go down to delete and left click.
> 7. It will ask you if you want to send it to the recycle bin, say yes.
> 8. Go to your desktop (where your icons are) and double click on the Recycle
> Bin.
> 9. Find and right click on "sulfnbk.exe and delete it again - or empty the
> bin.
>
> If you find it, send this E-mail to all in your address book, because that's
> how it's transferred.
>
>
>>From Bill: I found this on my computer, thus am passing this message on to
> you.
>
>
>
>
>
>
>
>
>
>
```

--

Bob Evinger    WD9EKA            Marshall, Illinois  
If Guns Cause Crime, Then Matches Cause Arson.

-----  
Date: Thu, 13 Dec 2001 21:12:52 -0600  
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [114787] Fox -- Got Both... Maybe...  
Message-ID: <200112140312.AA00952@bolshoi.cc.misu.nodak.edu>  
Content-Type: text/plain  
Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

VE3FAL was fairly easy pickings, starting off at a solid  
599, but had dropped to 559 by the time I worked him.

N4DD has been running 319-529 here, lots of SSB QRM,  
and I have to fight two QRO locals, both about a mile from me,  
who have been working in and around the hunts. One on 7.040  
now, and the needle on my S-meter is making audible noise as  
it hits the pin in sync to his keying. Of course, he fired up there  
about the time N4DD came back to me. :-/ I think I gave him the  
correct fill, but I was only hearing him when the guy on 040 was  
key-up. Will try him again later, after the local either moves off  
frequency or goes QRT. Elsewise, I'll just have to see if I made  
the log. :-)

72/73,

Todd, AGOT

-----  
Date: Fri, 14 Dec 2001 09:27:39 -0600  
From: "Mike Malone" <mmalone@worldlogon.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114788] Re: Thanks Foxes and Truffle  
Message-ID: <018101c184b3\$df0d7ca0\$6df5a7cc@malonefamily>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks to tonights Foxii and truffle, great job and a ton of fun!!!

-----  
Date: Thu, 13 Dec 2001 20:24:05 -0700  
From: rfcdma@spinn.net  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [114789] Both Foxes  
Message-ID: <3C1970D5.B9706062@spinn.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just worked N4DD on 7040.8 up 1 not a big pile and he's peaking s4 in NM.

Also bagged VE3FAL and only took maybe 6 calls and I worked him well off his tx f.

Both are doing a great job IMHO!

-WD7Z

-----  
Date: Thu, 13 Dec 2001 22:41:13 -0500  
From: Dave Gingrich K9DC <gingrich2@dcg.org>  
To: qrp-l@Lehigh.EDU  
Subject: [114790] What is THAT?  
Message-ID: <5.1.0.14.2.20011213224107.02a0f9c8@172.22.1.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

What the heck is that garbage that just came up on 7040.8? geeesh

=====  
Dave Gingrich, K9DC - Indianapolis, Indiana USA  
K2 #2211, K1 #931, QRP-L #2376, ARS #1109, CCIE #6748  
=====

-----  
Date: Thu, 13 Dec 2001 21:41:46 -0600  
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [114791] Fox -- Commercial Jammer???  
Message-ID: <200112140341.AA01063@bolshoi.cc.misu.nodak.edu>  
Content-Type: text/plain  
Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

Nasty warble-y AM signal just fired up on 7.041, quite loud.  
Doesn't sound like any digital stuff I've ever heard. Sounds more  
like a SWBC jamming signal, but why 7.041?

Needless to say, I can't hear diddly with that thing going on  
right over the top of N4DD. Just hope my QSO shows in his log... :-)

72/73,

Todd, AG0T

-----  
Date: Thu, 13 Dec 2001 22:31:26 -0500  
From: "William Boose" <n3wst@hydrosoft.net>  
To: "Joe & Pat Zeblisky" <palzeb@aol.com>,  
"Jack & Doris Yates" <jyates@rollinrollin.com>,  
Subject: [114792] Re Virus Alert ===Bogus, please read !!!  
Message-ID: <002201c1844f\$f63c14e0\$41a4a641@williamboose>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I am chagrined. I thought this person knew enough to check out warnings.  
I thought I knew better than to pass on a warning without checking it out.

Sorry, Bill

I thought you'd like to read about SULFNBK.EXE\_Warning at the following URL:

<http://www.symantec.com/avcenter/venc/data/sulfnbk.exe.warning.html>

This service is brought to you by Symantec Security Response.

Mike Musser  
kmichael@ptd.net

-----  
Date: Thu, 13 Dec 2001 22:42:18 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: qrp-1@lehigh.edu  
Subject: [114793] Fox: VE3FAL  
Message-ID: <5.0.2.1.0.20011213223750.00ad1650@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

WOW! Fred has a dynamite signal here in Kentucky!! And he is cooking along famously.  
Pete NV4V Ky

-----  
Date: Thu, 13 Dec 2001 19:53:47 -0800  
From: "K7FD-N7SG" <k7fd@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [114794] The Grinch Who Stole Fox Hunting  
Message-ID: <003601c18452\$efbe5ee0\$9d231ad8@n7sg1da9j85oax>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

'Tis the season...but since when do we publicly chastise the fox for his efforts? A post dictating how the fox does his job truly 'sleighs' me...may Santa put coal in a certain stocking!

73 John K7FD

-----  
Date: Thu, 13 Dec 2001 20:02:23 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114795] Re: RX Noise Bridge References  
Message-ID: <20011214040223.GA30663@oz.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Thu, Dec 13, 2001 at 09:08:40PM -0500, David Hinerman wrote:

> At 11:11 PM 12/13/01, you wrote:  
> >>J. Grebenkemper, "Improving and Using R-X Noise Bridges,"  
> >>QST, Aug 1989, pp 27-32, 52.  
> >  
> >This one seems to be available on-line (only caveat being that you need  
> >to be able to read Russian):  
>  
> FYI, you can use <http://babelfish.altavista.com> to translate Web pages  
> between a number of languages. Choose your TO and FROM languages and either  
> enter some text or give it a URL and it will translate. It's rough, but you  
> can get an idea of what's being discussed. If you use a URL the translated  
> page will be displayed with all the graphics from the original page.  
>  
> Unfortunately it won't do PDF files like the one you mentioned, but for  
> most Web pages it works well.

There are applications which will extract the text from PDF files and  
you can run the result through bablefish. See pdftotext at  
<http://www.foolabs.com/xpdf/>

Bob, N7XY

-----  
Date: Thu, 13 Dec 2001 23:09:29 -0500  
From: Fred Lesnick <flesnick@tbaytel.net>  
To: "QFOX@egroups.com" <QFOX@egroups.com>, QRPL <qrp-1@Lehigh.EDU>  
Subject: [114796] Thanks All, VE3FAL  
Message-ID: <3C197B79.A620F16E@tbaytel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I would like to thank all who stood by me tonight during the fox hunt,  
this is a littl e faster pace then the Fox Cub hunts. I was also having  
trouble with my keyer.  
NOW, I started out operating split, and as far as I know I continued  
operating split until W1AW came on frequency, then I move down, said my  
frequency.  
I then started moving the RIT up and was finding the hounds just above  
7.045 where I parked my transmitter.  
All in all I worked 88 hounds, now to sort out my mess.

BTW:

WD7Z says:

Also bagged VE3FAL and only took maybe 6 calls and I worked him well off  
his tx f.



Thanks  
Fred  
VE3FAL

P.S. I really need that new cw filter for Christmas, maybe a hint to Santa.

-----  
Date: Thu, 13 Dec 2001 22:11:38 -0600  
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: "Karl F. Larsen" <k5di@zianet.com>  
Subject: [114797] Cub Fox 12/11 Final Log  
Message-ID: <200112140411.AA01179@bolshoi.cc.misu.nodak.edu>  
Content-Type: text/plain  
Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

Having heard no more corrections to the 12/11 Cub hunt log,  
I'm posting this as the final results of this past Tuesday's hunt.

Thanks to one and all for the chance to be Cub Fox! I just wish the band conditions had been better! :-/ I was hoping to have a nice big pile, but the propagation fairy made me fight for every single pelt handed out. Builds character! (not that I'm not a character already... :-) First hour was the toughest, with a 28 minute period where I didn't work a soul. Seven total pelts in the remaining 32 minutes.

Things picked up in the second hour, with 18 pelts, and nice, steady business. Oh well, I'm hoping my next outing will feature better conditions, and the hounds will be out in force! See you again in February!

72/73,

Todd, AG0T

=====

call time rst spc name power

ve4wi	0204	559	mb	craig	5w
k4gt	0214	449	ga	jim	5w
ka0ec	0216	579	mn	gene	5w
ve3fal	0220	559	on	fred	5w
wa9tze	0248	339	wi	jim	5w

w0ch 0250 339 mo dave 5w

w8vjw 0256 559 mi john 5w  
kk5ld 0303 559 tx dan 5w  
w0av 0305 559 mo george 5w  
wa8bxn 0306 559 oh mike 5w  
  
kb9yig 0308 539 in tony 5w  
wb0qqt 0310 559 ne steve 4w  
va6rf 0314 449 ab earl 5w  
n0klv 0317 559 mn kevin 5w  
n0tu 0322 559 co steve 5w  
  
k4fb 0323 449 fl paul 5w  
n9ww 0326 559 il jim 5w  
w9hl 0331 559 il randy 5w  
ki0ii 0338 539 co ron 1w  
n0rc 0340 559 co rod 5w  
  
kb7ww 0344 449 or art 5w  
n0it 0346 559 mo dave 5w  
k4byf 0349 559 fl jack 5w  
w6eu 0352 449 ca jim 5w  
n1tp 0359 559 fl tom 5w  
  
ag0t 0400 559 nd todd 4w

=====

-----

Date: Thu, 13 Dec 2001 22:15:46 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: k5di@zianet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [114798] Re: Worked Fred  
Message-ID: <3C197CF2.D82AF46B@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Karl, he was on 7041 right square dab in the middle of an XE SSB QSO. Hard to pick out from the SSB even with a narrow filter. Had to work him twice to make sure that he got me and all the repeats.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262  
Amateur Radio W5YR, in the 56th year and it just keeps getting better!  
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

"Karl F. Larsen" wrote:

>  
> I tuned back to 7046.26 and no calls at all. So I sent my call  
> twice and Fred answered me. When we got done bedlam started again.  
>  
> Still don't even hear N4DD. Does anyone know where he lives?

-----  
Date: Thu, 13 Dec 2001 23:27:37 -0500  
From: "Tom" <n1tp@worldnet.att.net>  
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>  
Subject: [114799] FOX: Truffle Log Thursday  
Message-ID: <011a01c18457\$a986f5e0\$8eb64d0c@tom>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Truffle LOG for Thursday

Time	Call	Name	RPT	QTH	PWR
0130	W5YR	George	559	TX	5W
0131	AF4PS	Mac	599	FL	3W
0133	K5DI	Karl	559	NM	5W
0135	K1NNP	Don	559	CT	5W
0137	WR50	Dave	559	TX	5W
0138	WA8BXN	Mike	559	OH	5W
0139	KG4LDY	Dan	559	VA	5W
0140	NW7DX	Ben	559	WA	5W
0141	N9NE	Todd	559	WI	5W
0142	AA50	Vern	559	LA	5W
0143	KD4JEZ	Dave	599	FL	5W
0144	KV4EE	Keith	559	OH	5W
0145	AG0T	Todd	559	ND	5W
0146	N4NK	Bill	579	CA	5W
0147	N9NE	Todd	569	WI	5W
0148	W5TB	Doc	599	TX	5W
0149	K4BYF	Jack	559	FL	5W
0150	AG0T	Todd	559	ND	5W
0151	K5JHP	Bill	559	TX	5W
0152	W0CH	Dave	559	MO	5W
0152	K0EVZ	Doc	599	ND	5W

0152	ND7K	Chuck	599	FL	5W
0153	K04WX	Mike	559	GA	5W
0156	AD4IH	Joe	599	FL	5W
0157	KD5KXF	Mike	559	TX	5W
0158	K5USJ	Chuck	559	TX	5W
0159	AC50H	Gary	599	MS	5W

Tom, N1TP  
Naples, FL

-----  
Date: Thu, 13 Dec 2001 23:39:48 EST  
From: RLemmel@aol.com  
To: qrp-l@lehigh.edu  
Subject: [114800] Re: FOX: N4DD FOX ADVISORY  
Message-ID: <d7.10a903dd.294adc94@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Dennis,

Just read your post and am very interested in the orientation of your extended duoble Zepp. I have a 40 meter dipole running almost due N-S. When the truffle was on in FL he was abt 449 at my location near Cincy, OH. Later I heard him work you in the hunt and he was up to 579 so figured the band was getting longer and my chances of working you were fading. I worked Fred about 18 mins into the hunt and spent the rest of the time listening for you.

I tried every filter (xtal and af) on my K2, also attenuator and preamp and not once during the hunt did I hear you. Wish we could have hooked up. I'm sure you must have done a fine job with all the qrm.

72 es Merry Christmas, Randy,wv9n

-----  
Date: Fri, 14 Dec 2001 00:01:26 EST  
From: FIVEWATTS@aol.com  
To: qrp-L@lehigh.edu  
Cc: antennas@qth.net  
Subject: [114801] sort of a dumb question but I have to know

Message-ID: <a8.361951c.294ae1a6@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Guys/Gals,  
Those small transformers on the back of the TV set that go from the 300 ohm  
twilnead and terminate to 75 ohms.  
Are they considered a balun?  
If so can they be used for QRP and be transmitted through?  
Thanks in Advance  
Bob  
WA2HOQrp <TM>

-----  
Date: Thu, 13 Dec 2001 21:05:49 -0800 (PST)  
From: =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Subject: [114802] Re: Fox -- Commercial Jammer???  
Message-ID: <20011214050549.11917.qmail@web13804.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

> Nasty warble-y AM signal just fired up on 7.041, quite  
loud.  
>Doesn't sound like any digital stuff I've ever heard.  
Sounds more  
>like a SWBC jamming signal, but why 7.041?

Actually, I believe it's OTH Radar. In addition to the  
"warble", drop down about 1kHz and you'll also hear a "buzz  
saw". The two seem to be transmitted together. The buzz  
saw was on 7.040 and about 40+ here in NH tonight. Lately,  
I've been hearing this pair on often on 40 and 20m. Often,  
on the QRP freq's. Mil. or NOAA, one might think they  
could've found some freq's other than the amateur QRP  
freqs. Guess we know where we fall in the scheme of  
things.

72/73,  
Dale

=====

"There is a very fine line between "hobby" and "mental illness." --Dave Barry

=====

Dale Anderson	In the Mt Washington Valley
KB0VCC	Conway, New Hampshire
QRP-L #91 / CQC #251	Grid Sq: FN43KX
ARS #234 / FISTS #3172	<a href="http://www.qsl.net/kb0vcc">http://www.qsl.net/kb0vcc</a>

=====

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Do You Yahoo!?

Check out Yahoo! Shopping and Yahoo! Auctions for all of  
your unique holiday gifts! Buy at <http://shopping.yahoo.com>  
or bid at <http://auctions.yahoo.com>

-----

Date: Fri, 14 Dec 2001 00:11:44 -0500  
From: John Wagner <[john@wagner-usa.net](mailto:john@wagner-usa.net)>  
To: Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [114803] FOX: Bagged 'em both  
Message-ID: <3C198A10.6245D823@wagner-usa.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bagged both N4DD and VE3FAL tonite. Both foxes where doing a FB bang-up  
job.

I was 500Hz up when I bagged Fred and I heard him working as high as  
1Khz+ tonite. Caught N4DD up 1khz.

Both these guys did a great job tonite - THANK YOU FOR DOING IT!!!

73 de John, N1Q0

--

John Wagner - [john@wagner-usa.net](mailto:john@wagner-usa.net)  
Web page: <http://www.neknetwork.com>

-----

Date: Fri, 14 Dec 2001 00:18:20 EST  
From: FIVEWATTS@aol.com  
To: [pa1zz@home.nl](mailto:pa1zz@home.nl), [qrp-L@lehigh.edu](mailto:qrp-L@lehigh.edu)  
Cc: [antennas@qth.net](mailto:antennas@qth.net)  
Subject: [114804] Re: [Antennas] sort of a dumb question but I have to know  
Message-ID: <[ba.1e607ce0.294ae59c@aol.com](mailto:ba.1e607ce0.294ae59c@aol.com)>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 12/14/01 12:11:19 AM Eastern Standard Time, pa1zz@home.nl writes:

<<

Try it, see if it smokes ;-)

>>

Ahh Haa

You want me to do it because you don't know:)))

Chances are i'll never need to use one but it's nice to know it will work then you can say you have a QRP balun.:)))

Bob

WA2HQrp <tm>

-----  
Date: Fri, 14 Dec 2001 00:26:28 -0500

From: "Tom" <n1tp@worldnet.att.net>

To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>

Subject: [114805] FOX: N4DD and VE3FAL - excellent FOXes

Message-ID: <003a01c1845f\$e2433760\$8eb64d0c@tom>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Dennis, N4DD, and Fred, VE3FAL, were excellent FOXes this evening. Their pelt totals will bear this out, even though the and was totally cancelled out for 4 or 5 minutes during the last 30 minutes.

Both Dennis and Fred worked split in fine fashion. I heard Dennis send "UP" dozens of times. I listened to him for the last 75 minutes of the hunt and he was working his hounds UP at least 1 KHz. Fine job!

For the short time that I listened to Fred, he was clipping along at a fine pace, giving out pelts with no wasted effort.

I hope Dennis and Fred volunteer to be FOXes in next year's 20 meter hunts and next season's 40 meter hunts.

Tom, N1TP  
Naples, Florida

-----  
Date: Fri, 14 Dec 2001 00:30:34 -0500 (EST)  
From: George Gingell <k3tks@u1.abs.net>  
To: Michael Clark <Michael.Clark@entrust.com>  
Cc: KnightLite QRP Club <klqrp@knightlites.org>  
Subject: [114806] Re: [KLQRP] Intro...  
Message-ID: <20011213234745.V74562-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Michael,

I would also like to Welcome you to the Wonderful World of QRP.

This is a Great Gang here. I hope to some day meet all of them face to face myself. I have had contact in one form or another with several of them over the years. None Better, OBTW, I am one of those Damn Yankees also :^} Well, Actually MD is below the Mason-Dixon Line. I still get my Visa Stamped when ever I cross the Bridge into Virginia. :^}

Interestingly, I had a similar Start and Stop in Ham Radio.

I was Origionally Licensed as a Technician (1962) while I was Serving in the U.S.A.F. as a Ground to Air Radio Repairman (30452) out in Oregon.

I worked mostly AM and SSB VHF,UHF and some CW (Very Little) on HF MARS. KL7DGD.

When I got out of the Service in '64 I didn't have money or time for Radio.

I got Married in 1966, so that meant another Dry Spell in Radio matters.

I picked up a QST and Built a Herring Aid 5 DC Receiver (W1CER) and started Monitoring W1AW every night after work until bedtime.

About a year later, I went downtown Wasington, D.C. and took the Exam (The Week after Christmas). It was very busy, to my surprise. In anycase, I passed the 13 WPM Code and the Written Exam, I had to return to work at Noon, so I did not have time for any other exams that day. When I was called before the examiner, He asked if I would like to keep the old Callsign as it had not been reassigned yet. Gee, Yes, I thought I am Born again QRPer :^} I got my General and went out smiling. I later got a good deal on a brand new Ten-Tec Argonaut 509 from a local Dealer.

I had to wait another week or so before I could get on the air. I put up a Dipole from the eave of my houst to an 8 foot 2x2 lashed to the Chain link



fence in the back yard. That and my Original Western Electric Headset and two 6 Volt Lantern Batteries and my J-38 and I was on the Air.

I think my first Contact was a Chap up in Canada, VE3??? I could dig out the old log and check, But needless to say, I was off and running into the World of QRPP. I thought I had a Five Watt Rig, but It was many years and QRP Contests later that I checked and much to my Surprise, I was only Running 2 Watts on Most Bands. The 5 Watt Rating was INPUT POWER! :^}

Hey, When I hit the Key and the Meter Went to the Mark, I might as well have been running the 10 Kw Klystron. :^}

Power is relative after all...

Several Years, and Many QRP Nets Later, I was doing much better at CW.

I taught a couple of Classes at Work, and then Started helping a few at Maryland Radio Center. One Saturday, I asked the VEC if I could listen to one of the tapes so that I could see what Tone and Speeds were used so that I could better prepare my class to Whip up on the exams.

Unknown to me at the time, all of the examiners were in the room and monitoring my "TEST" After the Tape was done, I put down the pen and turned off the machine, rewound the tape and turned to hand it to the Head Observer. He responded by handing me a sheet of paper and asked if I would mind filling it out. I think I missed one Question, as I did not write it all down. They Huddled a minute and then announced that I had Just Passed my Extra Class Code Test and that they would like to see me back next month for the written.

They Had a sinister motive, They Wanted one more VE for Laurel VEC. :^}

Yes, I passed the Tests the Following Month.

I might Add that all five of my Students Passed their General Exams shortly thereafter. NO, I did Not give them their Exams.

I am still at it, but not teaching any more, I have a hard time keeping up to my email these days. I have not even had a chance to get onthe air in almost two years now. Retirement is more work than work. :^}

I do try to keep active on QRP-L,G-QRP-L, KL-QRP, QRPP-I, MDMW, and QRP ARCI. I am throwing my hat in the ring again as Director for QRP ARCI.

I hope that you and the gang will Vote for me.

Send me a private email with your Address, etc. and I will make sure that

you get some free Samples of the QRP ARCI QRP Quarterly Journal.

It is one of several very good QRP publications available today.

I think that you will want to join us also after reading a few of them.

IF you know of any other New QRPers who might be interested in joining a Great QRP Club, I can help with some material to get off to a good start.

I may have to dig out my old QRP Recommend List and Revise it. There are so many Great Groups out here today, It would be impossible to put them all on one page with QRP Vendors as in the old days.

The QRP Vendors Available today are absolutely TOP NOTCH! I would not dare rate them, They are All GREAT!.

Again Welcome, and Help QRP Grow. Bring a friend to a QRP Event or Shows Tell.

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@abs.net  
Former QRP A.R.C.I. Net Manager and Board of Director Member.  
Gingell & Company, Ltd. Small Business Telephone Systems  
Commercial Locksmith Services (301) 572-6789 Office & Fax  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1  
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

-----  
Date: Fri, 14 Dec 2001 07:48:40 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: alihernlem@hotmail.com, qrp-1@Lehigh.EDU

Subject: [114807] Re: [SPICE] Tapped Air Inductors  
Message-ID: <F140hkDp8ES092DaCdh0000374d@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>Leon,

>

>Thanks for your input. I had built up a model using series inductors  
>with various values of mutual inductance. My problem is in choosing  
>the values to assign to the individual sections of the series  
>inductor. If I cut the coil at some point and use the formulas  
>for computing the inductance of each half coil, the two values do  
>not add to the inductance of the overall coil (which is really not  
>cut but merely tapped).

See my second post, and try putting in the mutual inductance.  
Coincidentally, I was thinking of modeling something similar as an  
experiment, but with a toroidal coil - a resonant circuit with a tap for  
matching to an antenna. I'll let you know what I come up with.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com  
My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)  
My low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
MSN Photos is the easiest way to share and print your photos:  
<http://photos.msn.com/support/worldwide.aspx>

-----  
Date: Fri, 14 Dec 2001 03:39:00 EST  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu, nwq-1@scn.org  
Subject: [114808] WANTED: Autek QF-1A filter  
Message-ID: <16d.59f71e4.294b14a4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Looking for an Autek QF-1A filter in good condition.

Alan KB7MBI in Woodinville, WA

FISTS 5702 Proud member of ARRL

-----  
Date: Thu, 13 Dec 2001 23:47:20 -0500  
From: "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>  
To: <flesnick@tbaytel.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114809] Re: Thanks All, VE3FAL  
Message-ID: <000101c18490\$0a1b4180\$d2904d0c@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Anticipating your log, Fred. You were 339 here and then the QSB/QRM took you out before I copied a QSL. Thought you asked if I was QRP but not sure. Thanks for the chase, however it turns out.

Joe, AD4IH  
Lakeland, FL

----- Original Message -----  
From: "Fred Lesnick" <flesnick@tbaytel.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, December 13, 2001 11:09 PM  
Subject: Thanks All, VE3FAL

| I would like to thank all who stood by me tonight during the fox hunt,  
| this is a littl e faster pace then the Fox Cub hunts. I was also having  
| trouble with my keyer.  
| NOW, I started out operating split, and as far as I know I continued  
| operating split until W1AW came on frequency, then I move down, said my  
| frequency.  
| I then started moving the RIT up and was finding the hounds just above  
| 7.045 where I parked my transmitter.  
| All in all I worked 88 hounds, now to sort out my mess.  
|  
| BTW:  
| WD7Z says:  
| Also bagged VE3FAL and only took maybe 6 calls and I worked him well off  
| his tx f.  
|  
| Thanks  
| Fred  
| VE3FAL  
|

| P.S. I really need that new cw filter for Christmas, maybe a hint to  
| Santa.

-----  
Date: Thu, 13 Dec 2001 23:34:21 -0500  
From: "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>  
To: <kc0bom@arrl.net>,  
    "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114810] Re: Virus Alert  
Message-ID: <000001c18490\$09396d00\$d2904d0c@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Thought that old hoax had died...

----- Original Message -----

From: "Rob Matherly" <kc0bom@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, December 13, 2001 09:58 PM  
Subject: Re: Virus Alert

| Whuh oh, you just screwed your computer!!! That's a hoax.... the file you  
| deleted is actually needed by windows to work!

| 72/73/oo  
| Rob, kc0bom  
| ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

| -----  
| Visit my website! <http://www.qsl.net/kc0bom/hamradio>  
| AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

| ----- Original Message -----

| From: William Boose <n3wst@hydrosoft.net>  
| To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
| Sent: Thursday, December 13, 2001 8:36 PM  
| Subject: Virus Alert

| Just received this message from a friend who was worried he might have  
| passed

| on a virus. I followed his directions found the virus and deleted it. It  
| pays  
| to check so here are the directions.  
| To remove the virus.  
| 1. Go to "Start" -- "then to find or search" (depending on your computer)  
| 2. In the "search for files or folders" type sulfnbk.exe - this is the  
| virus.  
| 3. In the "look in" make sure you're searching Drive C.  
| 4. Hit "search" button (or find).  
| 5. If this file shows up (it's an ugly blackish icon that will have the  
| name  
| "sulfnbk.exe" DO NOT OPEN IT!!  
| 6. Right click on the file - go down to delete and left click.  
| 7. It will ask you if you want to send it to the recycle bin, say yes.  
| 8. Go to your desktop (where your icons are) and double click on the  
| Recycle  
| Bin.  
| 9. Find and right click on "sulfnbk.exe and delete it again - or empty the  
| bin.  
|  
| If you find it, send this E-mail to all in your address book, because  
| that's  
| how it's transferred.

| >From Bill: I found this on my computer, thus am passing this message on  
| to  
| you.  
|  
|  
|  
|  
|  
|

-----  
Date: Fri, 14 Dec 2001 06:40:46 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <FIVEWATTS@aol.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [114811] Re: sort of a dumb question but I have to know  
Message-ID: <003701c18494\$2e760fc0\$0600a8c0@charter.net>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Actually, that's a GREAT question. I asked it about 2 or 3 years ago, and I think I was about the 4952nd person to ask. And you aren't the 'next' in line to ask!

And while 99% of the answer people fall into the 'try it' category, there was an individual back when I asked who answered me with test data and equations and more info than I EVER wanted to know.

Basically, the answer I got was to ask the question better. I.e. define "can be used". Losses in HF would be pretty high, and there's also probably a variation in manufacturers. And since HF is outside the envelope of what the thing was designed for there's probably even more variance from unit to unit.

So, again, it actually does fall back to what 99% of the people say. Try it. If the losses are acceptable, then fine. But don't expect stellar performance. Don't even expect mediocre performance.

Mike

> Hi Guys/Gals,  
> Those small transformers on the back of the TV set that go from the 300 ohm  
> twilnead and terminate to 75 ohms.  
> Are they considered a balun?  
> If so can they be used for QRP and be transmitted through?  
> Thanks in Advance  
> Bob  
> WA2HQrp <TM>  
>

-----  
Date: Fri, 14 Dec 2001 07:31:32 -0500 (EST)  
From: ka1iic <ka1iic@prexar.com>  
To: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [114812] Re: Fox -- Commercial Jammer???  
Message-ID: <Pine.LNX.4.33.0112140712390.2762-1000000@VinceWerber.org>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all,

That I believe is long hop stuff... there is a clandestine that works around that frequency in the middle east... the jammer may be located in Iraq... if memory serves me right...

72  
Vince  
kaliic

If you can't convince them, confuse them.

--Harry S. Truman

On Thu, 13 Dec 2001, Todd Enders wrote:

>  
> Nasty warble-y AM signal just fired up on 7.041, quite loud.  
> Doesn't sound like any digital stuff I've ever heard. Sounds more  
> like a SWBC jamming signal, but why 7.041?  
>  
> Needless to say, I can't hear diddly with that thing going on  
> right over the top of N4DD. Just hope my QSO shows in his log... :-)  
>  
> 72/73,  
>  
> Todd, AG0T  
>

-----  
Date: Fri, 14 Dec 2001 08:07:26 -0500  
From: "Tom" <n1tp@worldnet.att.net>  
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>  
Subject: [114813] FOX: Final Truffle LOG - Thursday  
Message-ID: <001e01c184a0\$49191960\$c8b64d0c@tom>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

FINAL Truffle LOG - Thursday

Time	Call	Name	RPTr	QTH	PWR
------	------	------	------	-----	-----



0130	W5YR	George	559	TX	5W
0131	AF4PS	Mac	599	FL	3W
0133	K5DI	Karl	559	NM	5W
0135	K1NNP	Don	559	CT	5W
0137	WR50	Dave	559	TX	5W
0138	WA8BXN	Mike	559	OH	5W
0139	KG4LDY	Jim	559	VA	5W
0140	NW7DX	Ben	559	WA	5W
0141	N9NE	Todd	559	WI	5W
0142	AA50	Vern	559	LA	5W
0143	KD4JEZ	Dave	599	FL	5W
0144	KV4EE	Keith	559	OH	5W
0146	N4NK	Bill	579	CA	5W
0147	N9NE	Todd	569	WI	5W
0148	W5TB	Doc	599	TX	5W
0149	K4BYF	Jack	559	FL	5W
0151	K5JHP	Bill	559	TX	5W
0152	W0CH	Dave	559	MO	5W
0153	K0EVZ	Doc	599	ND	5W
0154	ND7K	Chuck	599	FL	5W
0155	K04WX	Mike	559	GA	5W
0156	AD4IH	Joe	559	FL	5W
0157	KD5KXF	Mike	559	TX	5W
0158	K5USJ	Chuck	559	TX	5W
0159	AC50H	Gary	599	MS	5W

Tom, N1TP  
Naples, FL

-----

Date: Fri, 14 Dec 2001 08:26:41 -0500  
 From: Alex <kr1st@amsat.org>  
 To: FIVEWATTS@aol.com  
 Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
 Subject: [114814] Re: sort of a dumb question but I have to know  
 Message-ID: <3C19FE11.8A2D30D9@amsat.org>  
 MIME-version: 1.0  
 Content-type: text/plain; charset=us-ascii  
 Content-transfer-encoding: 7bit

No dumb question at all. I've used one on VHF about 15 years ago and it

handled my 5 Watts on FM just fine. YMMV of course. You can buy these things at the dollar store sometimes, in case you don't want to mess with the one in the TV.

I don't think they'll do ok on HF though. I think on HF you need a different type of ferrite core than is used in these baluns.

If you decide to give it a shot, please post your results.

If you need a 4:1 balun and want to make sure it handles the power, you can use a coax balun (on VHF, HF would probably not very practical due to its size):

<http://n-lemma.com/calcs/dipole/balun.htm>

73s,  
--Alex

FIVEWATTS@aol.com wrote:

>  
> Hi Guys/Gals,  
> Those small transformers on the back of the TV set that go from the 300 ohm  
> twilnead and terminate to 75 ohms.  
> Are they considered a balun?  
> If so can they be used for QRP and be transmitted through?  
> Thanks in Advance  
> Bob  
> WA2HQrp <TM>

-----  
Date: Fri, 14 Dec 2001 08:24:14 -0500  
From: W2AGN <w2agn@pobox.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [114815] Re: I give up  
Message-ID: <0112140824141M.11923@njbirdman>  
Content-Type: text/plain;  
    charset="iso-8859-1"  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

On Thursday 13 December 2001 21:34, Karl F. Larsen wrote:

> Can't find the Foxes but when I do Fred has moved to 7046 and is  
> NOT listening Up at all period.  
>  
> I hear foxes calling Dennise but can't copy N4DD at all. I worked

> Tom in the truffle no problem in the same direction.  
>  
> Until we can convince the Foxes to work slit, the current number of  
> hounds is too much. I for one am going to quit. It is no fun at all. We  
> implore the fox stations to do something and they refuse.  
>  
> Well if they continue working simplex soon there will be fewer  
> Hounds like me.

--

All right all you Foxes, shape up. Quit working other stations and listen for Karl!

I propose every Fox take time out and ONLY listen for K5DI. That way Karl can have fun and work all the foxes.

You guys should be ashamed of yourselves for making poor Karl cry.

-----  
John L Sielke W2AGN  
w2agn@pobox.com  
<http://www.qsl.net/w2agn>  
-----

Date: Fri, 14 Dec 2001 07:25:55 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [114816] RE: sort of a dumb question but I have to know  
Message-ID: <01C18470.926FF960.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

This is another "try it" answer, but here is how I would try it--

If you have everyham's swiss army knife, the MFJ-259 or equal, hook it to the coax end and connect a 200 ohm resistor across the 300 ohm terminals. Then see if it gives a good SWR down on the HF bands of interest. (Note: 200 ohms because it normally transforms 300 to 75, a 4:1 ratio, so you need 200 ohms to check it with your 50 ohm instrument.)

Next the power test. Open the case of the balun and transmit through it. First one watt, then raise to five in steps. See if the toroid gets overly warm.

Finally, tell us about it. We've all been wanting to know the answer to

that 'dumb' question too.

72--Nick, WA5BDU

-----Original Message-----

From: FIVEWATTS@aol.com [SMTP:FIVEWATTS@aol.com]  
Sent: Thursday, December 13, 2001 11:01 PM  
To: Low Power Amateur Radio Discussion  
Subject: sort of a dumb question but I have to know

Hi Guys/Gals,

Those small transformers on the back of the TV set that go from the 300 ohm  
twilnead and terminate to 75 ohms.

Are they considered a balun?

If so can they be used for QRP and be transmitted through?

Thanks in Advance

Bob

WA2HQrp <TM>

-----  
Date: Fri, 14 Dec 2001 06:26:38 -0700

From: "Rod N0RC" <rod@n0rc.com>

To: <n1tp@worldnet.att.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [114817] Re: N4DD and VE3FAL - excellent FOXes

Message-ID: <002501c184a2\$f6b6fb80\$6401a8c0@greyrock>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Tom" <n1tp@worldnet.att.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, December 13, 2001 10:26 PM

Subject: FOX: N4DD and VE3FAL - excellent FOXes

> Dennis, N4DD, and Fred, VE3FAL, were excellent  
> FOXes this evening. Their pelt totals will bear this out,

Agreed!

I skimmed through some messages grumbling about them. Not sure what all the grumbling was about though. I just don't take much time reading those kind of messages anymore.

For me...

VE3FAL took a little time, about 20m. I had to find that "sweet spot" up from his calling frequency. For me the sweet spot is among the other hounds in a relatively quiet zone. While the hunt goes on I check it for each hound being worked, if I'm not called. I widen out my passband, and listen to be sure stations are being worked on either side of my CF. Then I know, as Foxy tunes up and down, I will eventually be heard. From time to time I also check the calling hound-pack to be sure I'm still calling in a "quiet spot". Last night's "sweet spot" was up about 1k. Way to Go Fred you were picking them off at a good clip!

N4DD was a little harder. Lots of QRM and some QSB on/near his sig, nor did I hear much of a pack. I started calling about 0.5up. A "quiet spot" in all the QRM I was hearing. I figured if he was working foxes near his frequency, as he tuned up a little he would hear me. If he was working up, he'd hear me as he tuned down a little. 0.5 was up enough not to QRM the Fox. I chose well, I worked Dennis in about 5 min.

Working Foxes split is good practice for the real world, DX pile ups especially. It is as much of an art as it is a skill. Use our Fox hunts among the "friendlies" to hone your skill. Your efforts will be rewarded when you head out to the "rough waters" among the high power stations.

As we QRPers like to say Skill not Power.

\*\*\*Happy Holidays\*\*\*

73, Rod NØRC

Ft Collins, CO

-----  
Date: Fri, 14 Dec 2001 07:31:51 -0600  
From: John Seboldt K0JD <k0jd-1@seboldt.net>  
To: qrp-1@Lehigh.EDU  
Subject: [114818] Re: [SPICE] Tapped Air Inductors

Message-ID: <5.1.0.14.0.20011214072832.00a13c60@mail.seboldt.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:48 AM 12/14/01 +0000, you wrote:

>See my second post, and try putting in the mutual inductance.  
>Coincidentally, I was thinking of modeling something similar as an  
>experiment, but with a toroidal coil - a resonant circuit with a tap for  
>matching to an antenna. I'll let you know what I come up with.

>

>

>73, Leon

Speaking of SPICE, who's using what versions of what? I've been using the "lite" (i.e., free) version of OrCad (with PSpice A/D) and it's quite flexible and runs right off the schematic editor. I've also toyed with the earlier student version of Electronics Workbench. Both have their advantages/disadvantages, but I'd nod toward OrCad (formerly from MicroSim).

John KOJD  
Milwaukee

-----  
Date: Fri, 14 Dec 2001 08:35:42 EST  
From: WE7X@aol.com  
To: FIVEWATTS@aol.com, qrp-1@lehigh.edu  
Subject: [114819] Re: sort of a dumb question but I have to know  
Message-ID: <127.8d9e907.294b5a2e@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Bob, et al

The two versions I have seen the insides of, were a true balun.

I have successfully used them to feed a "rabbit ears dipole" at 4 watts on 2M, but I have no idea what would happen at HF or with more power. The internal windings are very light gauge wire.

WE7X

Rod

-----  
Date: Fri, 14 Dec 2001 08:55:16 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114820] Re: Some more magloop experimenting

Message-ID: <3C1A04C4.F5F6BABB@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hi Pete, Steve and others,

Thanks for your reply and info. I used the alligator clip mainly to determine if this idea of using coax capacitors would work if I would be able to find a suitable switching mechanism. But I'm starting to realize that there may not be one. The alligator clip was only used to switch between the two coax capacitors, and was never used for the main tuning capacitor.

The split stator cap is soldered to the main loop (no clips) and the leads are only 1 inch long and they are made of 4 RG-58 braids twisted together and then soldered over the full length. Would it have been better not to solder the braids over the full length? I thought it wouldn't matter very much.

I also wonder if the PVC support structure is of any influence and if it would be better to make it from a different material.

73s,

--Alex

-----

Date: Fri, 14 Dec 2001 08:55:56 -0500  
From: Dave Gingrich K9DC <gingrich2@dcg.org>  
To: RLemmel@aol.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [114821] Re: FOX: N4DD FOX ADVISORY  
Message-ID: <5.1.0.14.2.20011214085104.0212ed68@172.22.1.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 23:39 12/13/2001 -0500, RLemmel@aol.com wrote:

> I tried every filter (xtal and af) on my K2, also attenuator and preamp  
> and  
>not once during the hunt did I hear you. Wish we could have hooked up. I'm  
>sure you must have done a fine job with all the qrm.

Randy- FWIW, I performed the same procedure here in Indy, but I also did not hear a peep out of Dennis. I was using a pair of genuine high angle (on 40 at least) Inverted L antennas. It sounded like a great night for DX on 40, but the fox at 300 miles got away. <sigh>

-Dave

=====

Dave Gingrich, K9DC - Indianapolis, Indiana USA  
K2 #2211, K1 #931, QRP-L #2376, ARS #1109, CCIE #6748

=====

-----

Date: Fri, 14 Dec 2001 09:12:30 -0500  
From: "Don" <wb1cdh@yahoo.com>  
To: "qrp-l" <qrp-l@Lehigh.EDU>  
Subject: [114822] Window Sill--Thanks (Long)  
Message-ID: <00b301c184a9\$e8cef020\$8d56d03f@n8b611>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Many thanks to all who responded to my request for info about a window sill antenna. Not only did many respond but most put themselves out to make sure what they passed on was well researched.

The best advice was that I build it myself rather than buy a commercial one that is up there in price.

A few URLs passed on to me:

<http://www.qsl.net/w0ch/foreign/travant.htm> (this was the URL I was looking for)

<http://www.mfjenterprises.com>

<http://www.bwantennas.com/>">Barker

<http://w1.859.telia.com/~u85920178/antennas/balcant1.htm>

BEST ADVICE:

Just make a bracket.

I made one but used a mobile whip that has the coil in the center.

I have a B&W coil almost 1 foot long with taps on it at the base

I changed the taps for a low SWR and used the tiny MFJ random wire tuner and a counter poise.

I use it as a long wire and it does good on 40 and 20 meters.

Last Sat. at 0815 UTC I had Japan but a blown QSO due to band conditions but he did get my name and call.

I was on 20 meters running 7 watts.

I can't compare antennas but the B&W for close to \$100.00 you can get the MP-1 that is slightly reduced in price now



73

Many thanks again,

Don K1NNP

-----  
Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Fri, 14 Dec 2001 15:41:05 +0100  
From: "Ingo, DK3RED" <dk3red@t-online.de>  
To: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@yahoogroups.com>  
Subject: [114823] Ferrit rod antennas (Thanks)  
Message-ID: <3C1A0F81.96653BCA@t-online.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello QRPers!

Thanks for all replies, infos and warnings! I think that I have now enough to read and to built for XMAS. ;o) I will post my antenna results. And here are the infos for other builders.

UK magazine Practical Wireless, April 2000, pages 38 and 39 "An Experimental Ferrite Rod Transmitting Antenna" by Richard Marris G2BZQ

ARRL publication "Transmission Line Transformers" by Jerry Sevick, W2FMI

ARRL "Antenna Compendium Vol. 6"

MFJ publication "Ferromagnetic Core Design and Application Handbook" Doug DeMaw

<http://krasnodar.online.ru/hamradio/ant6.htm> (in russian -> use the Babelfish)

Thanks again!

--

72/73 de Ingo, DK3RED ( Don't forget: the fun is the power ! )  
dk3red@t-online.de - www.qsl.net/dk3red - www.t-online.de/~dk3red

-----  
Date: Fri, 14 Dec 2001 08:36:47 -0600  
From: "David Bixler" <qrp@netins.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [114824] Arkansas High Point Saturday  
Message-ID: <001201c184ac\$c26ab920\$e915b9cc@Host>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello folks:

Looks like we may have a decent weather forecast for  
Saturday, so Layne WD0DDU and I are planning a trip to  
Magazine Mountain, Arkansas on Saturday, December 15.

This is the highest point in the state of Arkansas and we are  
hoping to activate the peak as part of the Adventure Radio  
Society "Top of the World Challenge".

We should be on the air in the afternoon on Saturday, probably  
around 1 PM or so, Central time. Look for us on or near  
14060 and/or 7040 kHz. Rigs will probably be a K1 and  
NorCal 40A to vertical antennas.

Callsigns will be W0CH and WD0DDU. We should be on  
the air for two or three hours, depending on activity and  
weather conditions on the mountain.

I'll post a reminder message Saturday morning prior to  
heading out.

72, Dave

David Bixler W0CH  
Seneca, Missouri QRP-L #618  
QRP Web Site Main: <http://www.qsl.net/w0ch/>  
QRP Web Site Mirror: <http://showcase.netins.net/web/w0ch/>

QRP: Little radios, big fun!

-----  
Date: Fri, 14 Dec 2001 06:48:57 -0800 (PST)  
From: Brad Mitchell <n8yg@yahoo.com>  
To: qrp-1@lehigh.edu  
Subject: [114825] OT: contacting someone in Sudan  
Message-ID: <20011214144857.46901.qmail@web14708.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi All, at the water cooler this morning..  
I was talking to a colleague.  
He has a friend that is originally from Sudan,  
and has heard that his father is sick.

His question was:  
Is there someway to contact someone regrading this  
via ham radio?

My question to my qrp buddies is...

Is it legal at this point in time for 3rd party  
traffic to Sudan??

And secondly, if it is legal, how would someone  
go about finding someone that might have a  
regular schedule with Sudan.

73 Brad N8YG

-----  
Do You Yahoo!?  
Check out Yahoo! Shopping and Yahoo! Auctions for all of  
your unique holiday gifts! Buy at <http://shopping.yahoo.com>  
or bid at <http://auctions.yahoo.com>  
-----

Date: Fri, 14 Dec 2001 07:08:31 -0800 (PST)  
From: Brad Mitchell <n8yg@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114826] Re: OT: contacting someone in Sudan  
Message-ID: <20011214150831.44789.qmail@web14707.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I just found the FCC web page.. I guess Sudan isn't

even on the 3rd party list.. so Never mind!  
Brad

--- Brad Mitchell <n8yg@yahoo.com> wrote:  
> Hi All, at the water cooler this morning..  
> I was talking to a colleague.  
> He has a friend that is originally from Sudan,  
> and has heard that his father is sick.  
>  
> His question was:  
> Is there someway to contact someone regrading this  
> via ham radio?  
>  
> My question to my qrp buddies is...  
>  
> Is it legal at this point in time for 3rd party  
> traffic to Sudan??  
>  
> And secondly, if it is legal, how would someone  
> go about finding someone that might have a  
> regular schedule with Sudan.  
>  
> 73 Brad N8YG  
>  
>  
>  
> -----  
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> your unique holiday gifts! Buy at  
> <http://shopping.yahoo.com>  
> or bid at <http://auctions.yahoo.com>

-----  
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your unique holiday gifts! Buy at <http://shopping.yahoo.com>  
or bid at <http://auctions.yahoo.com>

-----  
Date: Fri, 14 Dec 2001 10:14:20 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [114827] The ultimate homebrew magloop tuning cap?  
Message-ID: <3C1A174C.238A985F@amsat.org>  
MIME-version: 1.0

Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

On my quest for the ultimate homebrew tuning capacitor I stumbled upon this page with some nice pictures near the bottom of the page of a homebrew tuning capacitor:

<http://www.hb9cru.ch/KW/I3VHF-Grundlagen.htm>

I assume this is not the QRP version. ;)

73s,  
--Alex

-----  
Date: Fri, 14 Dec 2001 10:26:31 -0500  
From: "Harold Smith" <harold.smith1@worldnet.att.net>  
To: <k0jd-l@seboldt.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [114828] Re: [SPICE] Tapped Air Inductors  
Message-ID: <00e801c184b3\$b63f51e0\$1e0a550c@tinker>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've been using SIMETRIX, a free package. I like its schematic capture better than PSPICE.

I just got a free CD full of stuff, including demos of their SPICE, from intusoft, though I haven't had time to play with it yet. Go to their website and ask. You don't even have to have a company name.

And please, if anybody does figure out how to model a tapped coil, post your results. I've tried it, with limited success.

de KE6TI, Harold

----- Original Message -----  
From: "John Seboldt K0JD" <k0jd-l@seboldt.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, December 14, 2001 8:31 AM  
Subject: Re: [SPICE] Tapped Air Inductors

> At 07:48 AM 12/14/01 +0000, you wrote:  
> >See my second post, and try putting in the mutual inductance.

> >Coincidentally, I was thinking of modeling something similar as an  
> >experiment, but with a toroidal coil - a resonant circuit with a tap for  
> >matching to an antenna. I'll let you know what I come up with.  
> >  
> >  
> >73, Leon  
>  
> Speaking of SPICE, who's using what versions of what? I've been using the  
> "lite" (i.e., free) version of OrCad (with PSpice A/D) and it's quite  
> flexible and runs right off the schematic editor. I've also toyed with the  
> earlier student version of Electronics Workbench. Both have their  
> advantages/disadvantages, but I'd nod toward OrCad (formerly from  
MicroSim).  
>  
> John KOJD  
> Milwaukee  
>

-----  
Date: Fri, 14 Dec 2001 15:38:30 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: harold.smith1@worldnet.att.net, qrp-1@Lehigh.EDU  
Subject: [114829] Re: [SPICE] Tapped Air Inductors  
Message-ID: <F61aExSA18esc4ndit100003c67@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: "Harold Smith" <harold.smith1@worldnet.att.net>  
>Reply-To: harold.smith1@worldnet.att.net  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Re: [SPICE] Tapped Air Inductors  
>Date: Fri, 14 Dec 2001 10:26:31 -0500  
>  
>I've been using SIMETRIX, a free package. I like its schematic capture  
>better than PSPICE.  
>  
>I just got a free CD full of stuff, including demos of their SPICE, from  
>intusoft, though I haven't had time to play with it yet. Go to their  
>website and ask. You don't even have to have a company name.  
>  
>And please, if anybody does figure out how to model a tapped coil, post  
>your  
>results. I've tried it, with limited success.

>

SIMetrix SPICE is the basis of the Pulsonix SPICE I'm beta testing. I've just heard that it has a problem with mutual inductance, and I'm about to get a new release of the Pulsonix software with the bug fixed. This might be the cause of your problem with it. I'm trying the tapped coil with OPUS Spice, but keep getting a singular matrix error for some reason.

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com

My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

My low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

-----  
Date: Fri, 14 Dec 2001 16:43:07 +0100  
From: "Ingo, DK3RED" <dk3red@t-online.de>  
To: GQRP <qgrp@yahoogroups.com>, QRP-L <qrp-l@lehigh.edu>  
Subject: [114830] Practical Wireless  
Message-ID: <3C1A1E0B.E4F14058@t-online.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello QRPers!

Is somebody here on the list, which has the UK magazine Practical Wireless at home? It is not in the libraries here in my area. I am interested in the copy of an article by G2BZQ from the issue April 2000 (pages 38 and 39).

--

72/73 de Ingo, DK3RED ( Don't forget: the fun is the power ! )  
dk3red@t-online.de - [www.qsl.net/dk3red](http://www.qsl.net/dk3red) - [www.t-online.de/~dk3red](http://www.t-online.de/~dk3red)

-----  
Date: Fri, 14 Dec 2001 10:57:45 EST  
From: N10DL@aol.com  
To: fpqrp-l@mpna.com, qrp-l@lehigh.edu  
Subject: [114831] Kenwood TS-50 for sale  
Message-ID: <9f.1ff3d0c6.294b7b79@aol.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Have decided to sell my TS50. It has been sitting here not being used ever since I bought the K2. Had it in the car for about 6 months. Works great and no damage. Includes the Mic and DC cable and Manual. Asking \$495.00 which includes shipping in CONUS.

Please respond direct to me.

Aron  
N10DL

-----  
Date: Fri, 14 Dec 2001 10:58:46 -0500  
From: Jim Campbell <jim-c@nc.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [114832] VE3BBN Spark Transmission  
Message-ID: <3C1A21B6.18B2475@nc.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

There was much speculation on this list about the VE3BBN spark transmission the other night. I e-mailed David asking for the straight scoop. Following is his response to me:

> Hi Jim,  
> Well I was transmitting "MARCONI S" every minute at the top of and  
> bottom of the minute for the whole hour, and did not stop except to wait  
> for the clock.  
> The cw notes you heard were interlopers. I will attach a copy of the wav  
> file please share it with anyone you want.  
>  
> cheers David

I am not attaching the file to this e-mail since it wouldn't be processed by the listserver, but if anyone wants it, please contact me directly.

Looks like a bunch of us were duped :-(

72/73,

Jim  
W4BQP

-----



Date: Fri, 14 Dec 2001 11:16:07 -0500  
From: "Tim A. King Jr." <iflyos@hotmail.com>  
To: kr1st@amsat.org, qrp-1@Lehigh.EDU  
Subject: [114833] Re: The ultimate homebrew magloop tuning cap?  
Message-ID: <F187bC8wSA1XvpFVjCR0000347e@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Alex wrote:

>I assume this is not the QRP version. ;)

WOW....what a capacitor...I wonder exactly how much power he is running? I suppose one could use a Alpha 77 with a loop....

73,

Tim A. King, Jr.  
KG4MQD  
Safety Officer, Hobby Park R/C Aircraft Club  
Winston Salem, NC  
AMA# 578668  
QRPP International #11  
Greater Piedmont QRP Club  
<http://kg4mqd.tripod.com>

-----  
MSN Photos is the easiest way to share and print your photos:  
<http://photos.msn.com/support/worldwide.aspx>

-----  
Date: Fri, 14 Dec 2001 11:16:50 -0500 (EST)  
From: wb0wao@hotmail.com (Dennis Ponsness)  
To: qrp-1@Lehigh.EDU  
Subject: [114834] 10m 'test'  
Message-ID: <1966-3C1A25F2-3360@storefull-264.iap.bryant.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)

Hope to work you all in the 10m contest this weekend. Will be running QRP (5w) from my modified HTX100! Band is OK right now, worked a OK

station on SSB about 30 min ago and got an honest 56 after I told him I was QRP.

72 es GUD DX es GUD luck!

Dennis - WB0WAO

-----  
Date: Fri, 14 Dec 2001 11:43:37 -0500  
From: "Tim A. King Jr." <iflyos@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [114835] Re: 10m 'test  
Message-ID: <F257tJLtosJ3Ih7jtrS000003598@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Guys,

This weekend the W4WS contest crew will be running the 10m test from my YL's father's station. (WB4MSG) I think we have decided to use my call for the contest, of course that is subject to change. We will be multi op, so since there is no breakdown for power in the multi class...we will run high power. with the Delta Loop, 6 element and 4 element monobanders, the j-pole vertical, and the TH3, we will have decent ears. All antennas are up 50-65 feet. We will run CW and SSB, and hope to work all you guys....

73 & good luck,

Tim A. King, Jr.  
KG4MQD  
Safety Officer, Hobby Park R/C Aircraft Club  
Winston Salem, NC  
AMA# 578668  
QRPP International #11  
Greater Piedmont QRP Club  
<http://kg4mqd.tripod.com>

-----  
Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

-----  
Date: Fri, 14 Dec 2001 16:46:25  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-l@lehigh.edu

Cc: leon\_heller@hotmail.com  
Subject: [114836] Re: [SPICE] Tapped Air Inductors  
Message-ID: <F135iIW7lJDoWuZMWIG000040e6@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>I'm trying the tapped coil with OPUS Spice, but keep getting a singular  
>matrix error for some reason.

>Leon

This is probably not your problem, but I had the same error when I first generated my simulation schematic because I tried to drive an inductor directly from a voltage source without a series resistor (which SPICE allegedly does not like). When I added a series resistance, the error went away.

This driven inductance was separate from the tapped inductor but specified with a small mutual inductance between it and the tapped inductor.

Brad

---

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<http://photos.msn.com/support/worldwide.aspx>

---

Date: Fri, 14 Dec 2001 12:10:30 -0500  
From: "Dennis Brickey" <n4dd@preferred.com>  
To: <qrp-l@Lehigh.EDU>  
Cc: <n4dd@preferred.com>  
Subject: [114837] FOX: N4DD Preliminary Log  
Message-ID: <003201c184c2\$3ce13ac0\$7ef3e4ce@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Good Afternoon Guys,

Last night was loads of fun, and many of you were awarded with a fine Tennessee pelt. The noise was horrendous during the last 30 minutes of the hunt, and the rate was affected accordingly. I have 84 total hounds in the log. If I mistyped or omitted something, please bring it to my attention. I hope this comes through as something

intelligible.

UTC	Call	RST	SPC	OP	PWR	
0200	W9HL	559	IL	Randy	5W	
0201	W0UFO	559	MN	Mert	5W	
0202	W0PWE	559	IA	Jerry	5W	
0203	K3IU	559	RI	Ken	5W	
0204	N0UR	579	MN	Jim	5W	
0205	K0EVZ	559	ND	Doc	5W	
0206	WA8BXN	559	OH	Mike	5W	
0206	N5GJQ	559	LA	Mike	5W	
0207	K8CV	559	MI	Walt	5W	
0208	W0CH	559	MO	Dave	900 mw	
0209	N0DSP	559	CO	Tom	5W	
0210	K4FB	579	FL	Paul	5W	
0211	KV2X	559	NY	Tom	5W	
0212	W8SFF	559	MI	Steve	5W	
0213	N4ROA	559	VA	Dan	5W	
0214	N1FN	559	CO	ET	5W	
0215	W5YR	559	TX	George	5W	
0216	K3PH	559	PA	Bob	5W	
0217	AF4PS	559	FL	Mac	3W	
0218	K5JHP	559	TX	Bill	5W	
0219	N2WW	559	CO	Larry	5W	
0220	K0FRP	559	CO	Al	5W	
0221	N3WT	579	MD	John	5W	
0222	NK9G	559	WI	Rick	5W	
0223	W0RSP	559	SD	Ade	4W	
0224	WE9K	559	WI	Glen	5W	
0225	WA9TZE	559	WI	Jim	5W	
0226	WD4MSM	599	IN	Barry	5W	
0227	W8RU	559	MI	Ron	5W	
0228	W9XU	559	WI	Lon	5W	
0229	N9AW	559	WI	Jerry	5W	
0230	AC5JH	559	OK	Tom	5W	
0232	W5USJ	559	TX	Chuck	5W	
0233	N0AR	559	MN	Scott	5W	
0234	VE6EX	559	AB	Dan	5W	
0235	N9NE	559	WI	Todd	1W	
0236	W5YR	559	TX	George	5W	
0237	KI0II		559	CO	Ron	5W
0238	VE5RC	559	SK	Bruce	5W	
0238	W5TB	559	TX	Doc	5W	
0239	N0HRL	559	MN	Ken	5W	
0240	AB5XQ	559	AR	Bill	5W	
0241	W8VJW	559	MI	John	5W	
0243	W6BWW	549	CA	Des	5W	

0244	N1TP	559	FL	Jack	5W
0246	KD5KXF	559	TX	Mike	5W
0247	AA50	559	LA	Vern	5W
0248	K4DYF	559	FL	Jack	5W
0249	AD2A	559	NJ	David	3W
0251	KB7WW	559	OR	Art	5W
0254	KQ5U	559	TX	Terry	5W
0254	K5DI	559	NM	Karl	5W
0256	K5DW	559	TX	Don	5W
0259	KK5OLD	559	TX	Dan	5W
0300	AG0T	339	ND	Todd	4W
0304	N0RC	569	CO	Rod	5W
0307	WR50	559	TX	Dave	5W
0308	KV2X	559	NY	Tom	5W
0309	N1Q0	559	VT	John	5W
0311	NM5M	559	TX	Eric	5W
0314	AB0CD	559	CO	Dick	5W
0315	NQ7X	559	AZ	Floyd	5W
0316	N0TK	559	CO	Dan	5W
0319	N6WG	559	CA	Bob	5W
0319	K6VNX	559	CA	Arlen	5W
0320	KJ0C	559	MO	Jim	5W
0323	WD7Z	559	NM	Dave	5W
0325	VE4WI	559	MB	Craig	5W
0330	K5ZTY	559	TX	Bill	5W
0333	W7ILW	559	AZ	Walt	5W
0334	NV4T	569	FL	Bill	5W
0336	K5BGB	559	TX	Rod	5W
0343	N0TU	559	CO	Steve	5W
0343	K4LKL	579	FL	Paul	1W
0344	K0KP	559	MN	Rex	25mw
0345	N2CQ	559	NJ	Ken	5W
0346	KC1FB	559	CT	Jim	5W
0348	NK6A	559	CA	Don	5W
0352	W3SMK	559	NJ	Steve	5W
0354	KC0ATC	339	CO	Chris	3W
0355	W0JOE	559	MO	Joe	5W
0357	N5WL	559	OK	Bill	5W
0358	AA7XA	559	OR	Frank	5W

-----

Date: Fri, 14 Dec 2001 12:28:02 -0500

From: "John Dorson" <jdorson@Worldshare.net>  
To: <kr1st@amsat.org>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114838] Re: Some more magloop experimenting  
Message-ID: <002501c184c4\$b30e4d80\$9c263841@atwork>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Alex my experience with loops (built 3 myself and belong to a group that only uses loop in a park here) is the following.

1-the soldering of the coax-shield is fine.

2-the coax caps are not needed and would provide a loss. If your main capacitor does not give you the range you are looking for then either get the proper value split cap. or add and additional cap.

3-most important are very, very good solder connections.

I have only two remaining loops at this time and the 2.4 foot square one covers between 9.5 and 21.600.

My latest 2" loop covers 13.5 and 30.500

Hope this helps.

John K2JHU...Happy Holiday

-----  
Date: Fri, 14 Dec 2001 11:38:49 -0600  
From: "Rob Matherly" <kc0bom@arrl.net>  
To: <kr1st@amsat.org>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114839] Re: sort of a dumb question but I have to know  
Message-ID: <01aa01c184c6\$34866ae0\$1111a541@intern01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Someone told me a while back about a balun you make by winding 10 turns of coax around a coffee can... anyone know what ratio this would be?

72/73/oo

Rob, kc0bom  
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

-----  
Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Friday, December 14, 2001 7:26 AM  
Subject: Re: sort of a dumb question but I have to know

No dumb question at all. I've used one on VHF about 15 years ago and it handled my 5 Watts on FM just fine. YMMV of course. You can buy these things at the dollar store sometimes, in case you don't want to mess with the one in the TV.

I don't think they'll do ok on HF though. I think on HF you need a different type of ferrite core than is used in these baluns.

If you decide to give it a shot, please post your results.

If you need a 4:1 balun and want to make sure it handles the power, you can use a coax balun (on VHF, HF would probably not very practical due to its size):

<http://n-lemma.com/calcs/dipole/balun.htm>

73s,  
--Alex

FIVEWATTS@aol.com wrote:

>  
> Hi Guys/Gals,  
> Those small transformers on the back of the TV set that go from the 300 ohm  
> twilnead and terminate to 75 ohms.  
> Are they considered a balun?  
> If so can they be used for QRP and be transmitted through?  
> Thanks in Advance  
> Bob  
> WA2HOQrp <TM>

-----  
Date: Fri, 14 Dec 2001 12:49:05 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [114840] Re: sort of a dumb question but I have to know  
Message-ID: <3C1A3B91.6FA00190@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Coffee should be mixed at one slightly heaping tablespoon per cup.

Rob Matherly wrote:

> Someone told me a while back about a balun you make by winding 10 turns of  
> coax around a coffee can... anyone know what ratio this would be?  
>  
>

-----  
Date: Fri, 14 Dec 2001 12:50:56 -0500  
From: "George Osier" <gosier@twcnny.rr.com>  
To: <qrp-l@lehigh.edu>  
Subject: [114841] 10 meter contest .....  
Message-ID: <002101c184c7\$e244c2c0\$0e714342@twcnny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello all !!!

I'll be running the test from snowy NNY !!!

with either 500 or 700 mw ... search and pounce and hope to get you !!!!!

72s

George , N2JNZ / QRPp

-----



Date: Fri, 14 Dec 2001 12:58:58 EST  
From: N0tk@aol.com  
To: kc0bom@arrl.net, qrp-1@lehigh.edu  
Subject: [114842] Re: sort of a dumb question but I have to know  
Message-ID: <b6.368a119.294b97e2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Rob

On pages 19.16 and 19.17 of the 2000 ARRL Handbook, there is a discussion of Broadband baluns built from coaxial cable. Table 19.4 shows that 9-10 turns of an 18 foot long piece of RG-58 will function as a multiple band current balun for the 80-30m bands.

72/73

Dan N0TK  
Highlands Ranch, CO

-----  
Date: Fri, 14 Dec 2001 11:21:59 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [114843] Re: sort of a dumb question but I have to know  
Message-ID: <3.0.6.32.20011214112159.0079abf0@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>> Are they considered a balun?  
Yes they are

>> If so can they be used for QRP and be transmitted through?  
I wouldn't recommend it!

These are very small cores and wound with just one or two turns of #32 wire. I've never measured thier inductance, but is unlikely to be enough to be of use at HF. In any event, they wouldn't handle more than a few milliwatts before saturating.

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountians of New Hampshire  
<http://www.qsl.net/kd1jv/>

Date: Fri, 14 Dec 2001 12:19:37 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: n4dd@preferred.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [114844] Re: FOX: N4DD Preliminary Log  
Message-ID: <3C1A42B9.ECC5AEB6@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Dennis, you did a remarkable job last night under very adverse conditions! Your signal strength was adequate but sadly so was the XE SSB QSO that stayed right with you making copy very difficult. Then the jammer came on and wiped out most of the QRP band.

I must admit to being a dupe in your log. I worked you first at 0215 but you asked for repeats and I could never hear you well enough to know if you got them. So I waited until after I worked Fred and came back to your frequency and tried again. That was the 0236 contact. I hate to cause a dupe and cost you a contact, but in this case, the copy was so poor that I felt obliged to make an insurance contact.

So, sorry for the dupe, and many thanks for the work at your end to pull through the peanut whistle! <:}

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262  
Amateur Radio W5YR, in the 56th year and it just keeps getting better!  
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Dennis Brickey wrote:

> UTC	Call	RST	SPC	OP	PWR
> 0215	W5YR	559	TX	George	5W
> 0236	W5YR	559	TX	George	5W

-----  
Date: Fri, 14 Dec 2001 13:53:57 -0500  
From: "George Osier" <gosier@twcnny.rr.com>  
To: <qrp-l@lehigh.edu>  
Subject: [114845] #83 confimed ..... FG/T97M

Message-ID: <000701c184d0\$b27bb400\$0e714342@twcnny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello All !!!!!

Got FG/T97M in the mail today for #83 confirmed for mw DXCC !!!!

72s

George , N2JNZ / QRPP

-----  
Date: Fri, 14 Dec 2001 18:54:28 GMT  
From: k9iua@juno.com  
To: qrp-l@lehigh.edu  
Subject: [114846] FOX: propagation / comment on hunt structure  
Message-ID: <20011214.105430.443.9030@wm2.wlv.juno.com>

It is interesting to read after the fact the postings from folks on who heard the fox, where, etc. Due to another activity last night, I could not get to the radio until about 0320 for what remained...

I could not hear either fox whatsoever, nor hunters, at my eastern Iowa QTH! If there was a hunt going on, I would not have known it. Yet obviously there was a hunt -- eighty some hunters for each. QRN of steady S4 to S5 didn't help, I'm sure. Interesting to think about the propagation involved that had me not hear anything....

A note on the Fox season itself -- if I had my druthers, we would go back to having Fox hunts on both Tuesday and Thursday nites. For better than half of the hunts I have not been available on Thursday night, which means I'm skunked out of two (2) foxii. At least before, I was always available for at least one of the nights each week and could maintain around a .500 batting avg.

A positive comment -- with two foxii each night, at least (except for last night) I can always hear and work one of them. Unfortunately that has been the case -- only one fox was heard each time, with the other lost to propagation. With the early foxhunts, we used to talk about the "RF hole" that seemed to exist in the Midwest. Although that hasn't been as prominent the last few years, there are still plenty of times when I am either too close or in the skip zone for many of the foxes.

Cheers/73.

Kevin Anderson, K9IUA, Dubuque IA  
with only 4 or so pelts so far -- not a good year compared to all the previous ones.

---

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---

Date: Fri, 14 Dec 2001 14:09:46 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: FP QRP <fpqrp-1@mpna.com>,  
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [114847] [Fwd: [CQ-Contest] ARRL Ten Meter Contest]  
Message-ID: <3C1A4E7A.E9DD62CE@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Good to know:

----- Original Message -----  
Subject: [CQ-Contest] ARRL Ten Meter Contest  
Date: Fri, 14 Dec 2001 12:59:48 -0500  
From: "Ferguson, Eric" <EFerguson@NiagaraCU.com>  
To: "'cq-contest@contesting.com'" <cq-contest@contesting.com>

Just a reminder that some Canadian stations may be using different prefixes

this weekend -

VX = VE

VG = VA

XJ = VO

XK = VY

73

Eric - VG3EF (VE3MQW)

-----  
Date: Fri, 14 Dec 2001 12:29:37 -0700 (MST)

From: "Paul Harden, NA5N" <na5n@rt66.com>

To: qrp-l@lehigh.edu

Subject: [114848] QRP WAS Map 4 free

Message-ID: <Pine.SUN.4.10.10112141214241.15390-1000000@shell.rt66.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

There have been periodic requests on qrp-l for obtaining a WAS map. I finally got around the other day to scanning in the WAS map contained in the "Data Book for Homebrewer's and QRPer's" and then colorized it to make it look quasi-cute. George Heron agreed to post it on the NJQRP website, so I don't have to send them out one at a time times several hundred requests :-(

George did an excellent job with his graphix-magix and they look pretty good up on the website, at:

<http://www.njqrp.org>

It's under "December Happening's" on the right side of the home screen, just click on the WAS map link.

There is a WAS map and a WAS List, for keeping records of QSO's with each state. Print out several of them, one for each band, if you wish. George also converted them to .PDF files, so you can print them out seperately with fairly high quality. I played with the colors you see so it makes a nice printout on a black-and-white printer as well.

So for those of you wanting a convenient WAS map, I hope you find this suitable. The two forms are for all to use. Thanks to the NJQRP club for making them available via their world class website. If you do

duplicate them for others, I would appreciate giving myself or NJQRP proper credit.

72, Paul NA5N

-----  
Date: Fri, 14 Dec 2001 19:31:40 +0000  
From: alan.kaul@att.net  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114849] ARRL 10M contest  
Message-ID:  
<20011214193201.SYSR15547.mtiwmhc25.worldnet.att.net@webmail.worldnet.att.net>

This weekend take part in the ARRL 10M contest. It is a fun contest, with room for both SSB and CW operations.

It is an easy introduction to mainstream contesting. And will give you a chance to work a few of those elusive states or countries for WAS or DXCC.

Details from the ARRL Website  
<http://www.arrl.org/contests/announcements/rules-10m.html>

GOOD LUCK AND BEST 72/73 DE ALAN

--  
Alan Kaul W6RCL e-mail:  
[w6rcl@amsat.org](mailto:w6rcl@amsat.org)  
<http://worldnet.att.net/~alan.kaul/index.html>

-----  
Date: Fri, 14 Dec 2001 19:39:03  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [114850] [SPICE] More tapped inductor turmoil  
Message-ID: <F13KVIbWyukp53NVBRI000044cf@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

OK, so I decided to check something else:

- 1) My coil is 35 turns, 1.5" long on a .3" radius form. Tap point is at 10 turns.
- 2) Using the equation  $L = (r^2) * (n^2) / (9r + 10l)$  I find that the overall coil is 6.23 uH and the two "half" coils compute to 4.43 and 1.17 uH.
- 3) I set up a simulation in two cases:

#### CASE 1

-----

The entire coil (6.23uH) is connected in parallel to a 100 pF cap and AC swept in simulation via another coil of .2uH inductance and 0.1 coupling factor. This gives a peak tank voltage at 6.38 MHz.

#### CASE 2

-----

The coil is considered as two inductances in series and paralleled to the 100 pF cap. The coupling factor between the two partial coil inductances was varied and the following resonance peaks were obtained:

Coupling Factor (k)	Resonance (MHz)
-----	-----
.99	5.01
.9	5.11
.8	5.23
.7	5.37
.6	5.51
.5	5.66
.4	5.84
.3	6.03
.2	6.23
.1	6.47
0	6.72

Well ..... there clearly is no correlation between these simulations.  
Do you see my quandry? and I am not even including the bandsread cap here.  
I am simply trying to simulate a coil in two parts and compare it with the original, with nothing attached to the tap.

Brad

-----  
Join the world s largest e-mail service with MSN Hotmail.  
<http://www.hotmail.com>

-----  
Date: 14 Dec 01 12:46:14 MST  
From: Rod Cerkoney <rod@n0rc.com>  
To: <na5n@rt66.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114851] Re: [QRP WAS Map 4 free]  
Message-ID: <20011214194614.18663.qmail@uwdvg001.cms.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

Nice Map! Thanks Paul.

One change I'd like to request--Remove Delaware. Empirical evidence suggests  
there are no Hams in Delaware. At least none that work CW. Or, possibly, =  
there  
is no Delaware!

I have QSOs in the log with states all around the mythical state of Delaware:  
NJ, MD, VA. I even have 2 or three QSOs with Hams in the small state of RI!  
But nothing from Delaware. So, I can only conclude that there are no Hams  
in  
Delaware, or that there is no Delaware. ;-)

Respectively

Rod, N0RC  
73

"Paul Harden, NA5N" <na5n@rt66.com> wrote:  
> Gang,  
> There have been periodic requests on qrp-1 for obtaining a WAS map. I  
> finally got around the other day to scanning in the WAS map contained in  
> the "Data Book for Homebrewer's and QRPer's" and then colorized it to  
> make it look quasi-cute. George Heron agreed to post it on the NJQRP

-----  
Date: Fri, 14 Dec 2001 19:46:44 +0000  
From: "John Kirk" <ve6xt@hotmail.com>



To: charles.kitchen@analog.com  
Cc: qrp-l@lehigh.edu  
Subject: [114852] Re: Back to Back Xformers  
Message-ID: <F24JQvtMFWGu2sZcbnQ00004659@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Thanks, Chuck!

I knew I had heard it somewhere. It's also common practice with the VHF fraternity if/when cheap relays with 110 vac coils are used "topside" to send the ac up as low voltage, then transform at tower top. It probably doesn't work much better for them, as some of those Transco's are current hogs.

Since the conversation started with respect to tube QRP gear, which is gonna draw a bit more current than your famous regens, I think I'd better relay back to QRP-L.

Thanks again  
John VK2PV

>From: "Kitchen, Charles" <charles.kitchen@analog.com>  
>To: ve6xt@hotmail.com  
>Subject: Back to Back Xformers  
>Date: Fri, 14 Dec 2001 13:40:13 -0500  
>  
>Hi John.  
>I saw your posting in QRP-L (below). Back to back filament transformers  
>will  
>work fine for tube type low current consumption receivers etc. Two 3 Amp  
>back to  
>back 6.3's make a nice power supply: you can use the 6.3V directly to light  
>the  
>filaments and then use a bridge rectifier or doubler circuit off the  
>secondary  
>of the second XFormer to get a decent B+ for the plates.  
>  
>However, the problem is that the SECOND transformer...the one that is  
>running  
>"backwards" will easily overheat if you try to pull any real current  
>through it.  
>Ten or maybe 20 milliamps (max) off the secondary of the 2nd transformer is  
>about it..so this trick won't work well for transmitters but is fine for  
>regens  
>and other low current tube type receivers.  
>73 DE N1TEV  
>  
>  
>Subject: Power supplies for hollow-state QRP

>From: John Kirk (ve6xt@hotmail.com)  
>Date: Thu Dec 13 2001 - 00:01:59 EST  
> \* Next message: Tim A. King Jr.: "Computer question..Maybe OT"  
> \* Previous message: ss lyon: "NEQRP NOISER APPLIED..."  
>  
>No reason you cannot use the ubiquitous PC power supply first stages "as  
>is"  
>- just grab the volts before it gets passed on to the switchers. For you  
>120 volt countries, it already is a voltage doubler, providing about 340  
>volts DC. For us 240 volt countries, it is a straight-through  
>rectifier/filter assembly arriving at about the same voltage. Since it is  
>unisolated (at that point, at least), pick up an inexpensive isolation  
>transformer - these are a lot easier to find than olde-tyme plate  
>transformers.  
>  
>Travel shops are also great sources for small tube-type transformers.  
>Those  
>120/240 "travel transformers" can often be picked up for peanuts - my 85  
>watt one, for instance, set me back \$2. Just make sure there \*is\* a  
>transformer in there though - there is some weird garbage applying dubious  
>electronic principles sold in that industry.  
>  
>Re: Back to back filament transformers - it sticks in my mind that the ARRL  
>Handbook says we should not do this, due to insufficient inductance in the  
>secondaries to do the voltage conversion without large losses. Anyone else  
>out there ever hear this, or am I hallucinating [again]?  
>  
>72  
>john VK2PV  
>

-----  
Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

-----  
Date: Fri, 14 Dec 2001 11:47:45 -0600  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: kr1st@amsat.org,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [114853] Re: The ultimate homebrew magloop tuning cap?  
Message-ID: <3.0.2.32.20011214114745.0079a370@mail.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Maybe the person in the picture is just really really tiny... 8^)...

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275  
Zombie #759, QRPp-I #115, Visit NETXQRP Web Site: <http://www.netxqrp.org>

-----  
Date: Fri, 14 Dec 2001 20:14:46 -0000  
From: "Ted Williams" <ted@g0ull.fsnet.co.uk>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [114854] Re: sort of a dumb question but I have to know  
Message-ID: <00c301c184dc\$4354ff80\$0100000a@duron800>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Paul:

That's QRO coffee, and inappropriate for this list ;-)

> Coffee should be mixed at one slightly heaping tablespoon per cup.  
>  
> Rob Matherly wrote:  
>  
> > Someone told me a while back about a balun you make by winding 10 turns  
of  
> > coax around a coffee can... anyone know what ratio this would be?

-----  
Date: Fri, 14 Dec 2001 18:42:40 -0000  
From: "k8cv" <k8cv@netzero.net>  
To: <flesnick@tbaytel.net>  
Subject: [114855] Amazing .....  
Message-ID: <000301c184dc\$655008a0\$f75af4d1@waltamos>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Wow ..... you did that good without a cw filter, my hat is off to  
you ! They ( yes , the magical THEY ) say the best filter is between your  
ears. :-)

Good work OM !!

Walt Amos K8CV Royal Oak, MI.

----- Original Message -----

From: "Fred Lesnick" <flesnick@tbaytel.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, December 14, 2001 04:09

Subject: Thanks All, VE3FAL

> I would like to thank all who stood by me tonight during the fox hunt,  
> this is a littl e faster pace then the Fox Cub hunts. I was also having  
> trouble with my keyer.  
> NOW, I started out operating split, and as far as I know I continued  
> operating split until W1AW came on frequency, then I move down, said my  
> frequency.  
> I then started moving the RIT up and was finding the hounds just above  
> 7.045 where I parked my transmitter.  
> All in all I worked 88 hounds, now to sort out my mess.  
>  
> BTW:  
> WD7Z says:  
> Also bagged VE3FAL and only took maybe 6 calls and I worked him well off  
> his tx f.  
>  
> Thanks  
> Fred  
> VE3FAL  
>  
> P.S. I really need that new cw filter for Christmas, maybe a hint to  
> Santa.  
>

-----  
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-----  
Date: Fri, 14 Dec 2001 15:30:03 -0500

From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>

To: <ted@g0ull.fsnet.co.uk>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [114856] Re: sort of a dumb question but I have to know

Message-ID: <007801c184de\$1dec0de0\$5b05b3d8@obvious>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yeah, but you wouldn't like the (non) taste of QRP coffee.

Paul's measure is about right.....

73,  
Dick K2JQ  
-----Original Message-----  
From: Ted Williams <ted@g0u11.fsnet.co.uk>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Friday, December 14, 2001 3:18 PM  
Subject: Re: sort of a dumb question but I have to know

>Paul:  
>  
>That's QRO coffee, and inappropriate for this list ;-)  
>  
>> Coffee should be mixed at one slightly heaping tablespoon per cup.

-----  
Date: Fri, 14 Dec 2001 15:32:00 -0500  
From: "Steve Markowitz" <sdmarko@attglobal.net>  
To: <qrp-1@lehigh.edu>  
Subject: [114857] RE: QRP-L digest 2404  
Message-ID: <MBBBIMJDINHHCIEADIPDCEFMCAAA.sdmarko@attglobal.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I heard that there is a way of measuring inductance with a VOM. How (no circuits)?

-----  
Date: Fri, 14 Dec 2001 15:37:31 -0500  
From: "Ken Simpson, W8EK" <W8EK@fdt.net>  
To: "QRP List" <qrp-1@lehigh.edu>  
Subject: [114858] CW "goodies" FS

Message-ID: <042601c184df\$bef9cd20\$6591d4d1@toshiba>

For Sale:

Autek MK-1 CMOS Memory keyer

This is a very nice keyer. It has more memories than one can use (or so it seems), plus some of them can be linked, so you put almost an entire QSO in memory. It is powered by 110 V AC, although I think you could use 12 V DC as well. The speed control also has a "tune" position on it, so you can lock the key for tuning an antenna tuner, or whatever. This unit is in very nice shape. I have not been able to find a scratch on it. \$ 100

Bencher BY-2 Paddle

This is the "All Chrome" model. Chrome base. and not the black base. In very nice shape for \$ 80.

MFJ 422 electronic keyer on a Bencher Paddle.

This is the keyer that uses the Curtis chip as the keyer, but includes sidetone, and has adjustments for volume, tone frequency, and weighting, as well as speed. It can be used in fully automatic mode, or semi-automatic like a bug. It will key either positive or negative voltages, and is powered by an internal 9 V battery, or external 5 to 9 volt supply. Also included is a Bencher Paddle. The two parts are made to go together, with the keyer setting on the back of the Bencher. With paper work for \$ 100.

World War II vintage J-12 straight key.

I am guessing on the vintage, but it must be somewhere in that era - maybe earlier. It matches pictures that I have found, indicating that it is a J-12. Includes cotton covered cord. The fact it is cotton covered says something about its vintage. \$ 40

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson

E-mail to W8EK@fdt.net or W8EK@yahoo.com

Voice Phone (352) 732-8400

-----  
Date: Fri, 14 Dec 2001 21:09:37 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: alihernlem@hotmail.com, qrp-1@Lehigh.EDU  
Subject: [114859] Re: [SPICE] More tapped inductor turmoil  
Message-ID: <F149bZYQTdWGhY8aUFL00004308@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

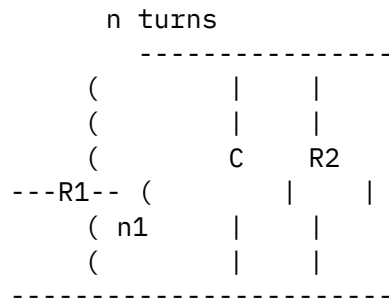
>From: "Brad Hernlem" <alihernlem@hotmail.com>  
>Reply-To: alihernlem@hotmail.com  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: [SPICE] More tapped inductor turmoil  
>Date: Fri, 14 Dec 2001 19:39:03  
>  
>OK, so I decided to check something else:  
>  
>1) My coil is 35 turns, 1.5" long on a .3" radius form. Tap point is at 10  
>turns.  
>  
>2) Using the equation  $L = (r^2) * (n^2) / (9r + 10l)$  I find that the overall coil  
>is  
>6.23 uH and the two "half" coils compute to 4.43 and 1.17 uH.

I noticed something similar in the simulations I've been doing. I've got a feeling that the effective inductance of the two 'half' coils is changed by the mutual inductance between them.

A very good book on inductors was written many years ago, by Grover. I'm sure he would have an explanation of this anomaly.

BTW, I found a simple way to calculate the tap position in Bowick's book on

RF circuit design.



To match the input resistance R1 to the resonant tuned circuit with a load R2, we need the following relationship:

$$R2 = R1 \cdot (n/n1)^2$$

This assumes that  $Q > 10$ , which will generally be the case. It looks logical as the coil behaves like an autotransformer stepping up the input impedance by the ratio of the turns squared.

The Handbook gives up on this, and suggests finding the tap position by experiment.

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com  
My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)  
My low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
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-----  
Date: Fri, 14 Dec 2001 16:14:00 -0500  
From: "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>  
To: <Undisclosed-Recipient:;>  
Subject: [114860] Herring Aid 5 PCB Dimensions  
Message-ID: <000901c184e4\$6d73cc80\$24194e0c@pavilion>  
MIME-Version: 1.0



Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Does anyone know the dimensions of this PCB?

Thanks

Joe AD4IH

-----  
Date: Fri, 14 Dec 2001 21:19:19 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: aliherlem@hotmail.com, qrp-1@Lehigh.EDU  
Subject: [114861] Re: [SPICE] More tapped inductor turmoil  
Message-ID: <F1145g2oHzGkzMcvsq900004425@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

[deleted]

>  
>The coil is considered as two inductances in series and paralleled to the  
>100 pF cap. The coupling factor between the two partial coil inductances  
>was  
>varied and the following resonance peaks were obtained:

>  
>Coupling    Resonance  
>Factor (k)    (MHz)  
>-----  
>.99        5.01  
>.9         5.11  
>.8         5.23  
>.7         5.37  
>.6         5.51  
>.5         5.66  
>.4         5.84  
>.3         6.03  
>.2         6.23  
>.1         6.47  
>0          6.72

>  
>Well ..... there clearly is no correlation between these simulations.  
>Do you see my quandry? and I am not even including the bandsread cap here.

>I am simply trying to simulate a coil in two parts and compare it with the  
>original, with nothing attached to the tap.

Something else just struck me. Air-cored coils have a low coupling coefficient and mutual inductance. The values are roughly OK with  $K = 0.2$  or so. This bears out my theory about the coils influencing each other's inductance. I must have studied this stuff at one time, but it was probably 38 years ago, and I've lost lots of brain cells over the years. 8-(

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com

My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

My low-cost Altera Flex design kit: <http://www.leonheller.com>

---

MSN Photos is the easiest way to share and print your photos:  
<http://photos.msn.com/support/worldwide.aspx>

---

Date: Fri, 14 Dec 2001 21:28:14  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: leon\_heller@hotmail.com  
Cc: qrp-1@lehigh.edu  
Subject: [114862] Re: [SPICE] More tapped inductor turmoil  
Message-ID: <F207LpgTFur2iz2Mb1s0000479c@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: "Leon Heller" <leon\_heller@hotmail.com>  
>Something else just struck me. Air-cored coils have a low coupling  
>coefficient and mutual inductance. The values are roughly OK with  $K = 0.2$   
>or so. This bears out my theory about the coils influencing each other's  
>inductance. I must have studied this stuff at one time, but it was probably  
>38 years ago, and I've lost lots of brain cells over the years. 8-(  
>

Unless there is some reliable predictive rule (empirical formula, even) it sure doesn't give me much confidence to model this kind of stuff with SPICE.

I'll have to go back and see what the simulation looks like with k set around .2 and sweeping my tuning cap across its range. Previous simulations gave a much wider tuning range than observed in my receiver. However, I am leaving out the cathode tap considerations, the pentode, &c. and just treating the tuning tank as a separate entity.

BTW, did you get my e-mail with the question about following the DC potential of a node while doing an AC sweep? It appears to me that I can only watch the AC magnitude in such an operation. I want to simulate an RF probe at different AC frequencies.

Regards,

Brad

-----  
Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

-----  
Date: Fri, 14 Dec 2001 16:24:35 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [114863] Re: The ultimate homebrew magloop tuning cap?  
Message-ID: <5.0.2.1.0.20011214154139.00adbc80@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:14 AM 12/14/2001 -0500, Alex wrote:  
>On my quest for the ultimate homebrew tuning capacitor I stumbled upon  
>this page with some nice pictures near the bottom of the page of a  
>homebrew tuning capacitor:  
>  
><http://www.hb9cru.ch/KW/I3VHF-Grundlagen.htm>  
>  
>I assume this is not the QRP version. ;)  
>  
>73s,  
>--Alex

I went in through Altavista and the translator to read it in English and the 3 loop versions were rated at 200 watts. The Original Ted Hart article listed W5QJR as a maker of a butterfly capacitor but that was in 1986 so don't know if they are still available.  
I used vacuum variables (from Hamfest flea markets ) with a dc gearmotor remote drive but they are not cheap!! Also heavy and hard to weather proof.  
Right now the gear box on my 20 foot circumference loop is locked up .

It is a Jennings 6-273 pF capacitor UCS300 I think and the antenna was fine from 80 to 20 cw bands. You have to be careful using these things as they are damaged if run into the stops. I was poking around the junkbox today and noticed an air variable that could be turned into a split stator variable quite easily or an alternative would be to gang 2 variables together on an insulator and strap the rotors together.

Of course you need the kind of variable that has the shaft protruding at both ends.

American Science And Surplus usually has gearmotors at good prices

An aside ( the Altavista translator said that the harmonics weren't sandblasted) HI!

73 Pete NV4V

-----  
Date: Fri, 14 Dec 2001 16:34:13 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: qrp-l@lehigh.edu  
Subject: [114864] More mag loop stuff  
Message-ID: <5.0.2.1.0.20011214123422.00ab1560@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Alex, Steve and gang

This has been really interesting! I was rolling a few ideas around about different ways to

build these things. Thought I would see what others thought.

I have not tried this yet.

Since many QRP ops are into backpacking it would be cool to make a lightweight version.. I stripped a chunk of RG- 213 and the outer braid is silver plated. After that the ol' brain started chugging and I think all you would need to do would be to support that braid mechanically.. I was thinking about some fiberglass bicycle poles I have left over from an earlier antenna experiment.

They don't weigh much and are really strong. Some sort of central hub, (even duct tape HI!) could be used to hold the frame together. A block of wood would be stronger and easy to work. If you drilled the ends of the poles and screwed them to the wood you could fold the antenna up.

Another lightweight support I was thinking about would be a sheet of that heavy black plastic that they sometimes staple to pallets...you could roll it up. But that support would blow around a bit. These are some first stage "mind salad" ideas and any input from the gang is appreciated.

Sounds like Alex has it pretty well figured out.

In my case it is difficult to get away from nearby metal objects which I understand is a no-no.

73 To All

Pete NV4V KY

-----  
Date: Fri, 14 Dec 2001 15:59:40 -0600  
From: Mark Fields <mark\_ke5my@juno.com>  
To: QRP-L@Lehigh.edu  
Subject: [114865] A suggestion  
Message-ID: <20011214.155955.-172543.0.mark\_ke5my@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

When offering things for sale on the reflector, it would be much appreciated by the other subscribers if the seller would post a message to everyone when the item(s) have been sold. I have noticed that some sellers aren't doing that.

73, Mark, KE5MY

-----  
GET INTERNET ACCESS FROM JUNO!  
Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:  
<http://dl.www.juno.com/get/web/>.

-----  
Date: Fri, 14 Dec 2001 16:49:37 -0600  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: qrp-l@Lehigh.EDU  
Subject: [114866] FOX hunting and DXing  
Message-ID: <3.0.2.32.20011214164937.00852e10@mail.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

FOX hunters and DXers,

As many others have said, FOX hunting UNDER ALL CONDITIONS is good practice for DX hunting in the real world.

My success ratio has increased dramatically as a result of FOX hunting. Basically, I always work at least 300 to 500 Hz up even when the pack is mostly on the DX frequency. You'll be around the edge of the most often used filters. As a nominal start otherwise, about 1 kHz seems to be a good starting point. I'm not a serious DXer but it's still a kick to grab one out from under the QRO stations.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275  
Zombie #759, QRPp-I #115, Visit NETXQRP Web Site: <http://www.netxqrp.org>

-----  
Date: Sat, 15 Dec 2001 07:28:48 +0800  
From: OJ Loughheed <ojl@nerpa.net>  
To: qrp-l@lehigh.edu  
Subject: [114867] Remove from List  
Message-ID: <103130300b8403ac9ab8e@[195.206.50.5]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Several e-mails to the list manager have accomplished nothing. I'm leaving town for a month (with no net access) and I don't need my mailbox CRAMMED with this list... as much as I like it.

Would someone PLEASE e-mail me direct with instructions, which I can't seem to find... Just in the next hour, so I don't get more e-mail that the lists themselves.

Thx, 73, O.J. Loughheed

-----  
Date: Fri, 14 Dec 2001 16:46:11 -0700  
From: "Rod N0RC" <rod@n0rc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Cc: <hubby2k@hotmail.com>, "W9SUL" <pugrad@millcomm.com>  
Subject: [114868] Re: [QRP WAS Map 4 free]  
Message-ID: <006801c184f9\$82fcc010\$6401a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

I've heard from people who claim there is a Delaware and/or have communicated with Hams in Delaware! One person actually offered to go there [Delaware] and run QSOs.

Sending someone there to run QSOs would be a good thing, because so far the mythical state of Delaware is required for WAS and does show up on most (if not all) US maps. Also, if our envoy does go to Delaware they can verify it's existence. To be sure we'll need two people to go. The second can act as an official witness. They can also protect each other, if for some reason, Delaware is not a safe place to be!

If it turns out there is no Delaware then those of you claiming to work Delaware will have to forfeit your QSOs. And, we will have good cause to petition for WAS without Delaware QSOs. OTOH: If there is a Delaware, but no Delaware Hams, we'll each have to go there and run QSOs from time to time.

Frankly, I'm skeptical about this Delaware thing. I spoke about it a few times, and have never been contacted by anybody from Delaware!!!

;-)

\*\*\*Happy Holidays\*\*\*  
73, Rod N0RC  
Ft Collins, CO

----- Original Message -----  
From: "Rod Cerkoney" <rod@n0rc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, December 14, 2001 12:46 PM  
Subject: Re: [QRP WAS Map 4 free]

Nice Map! Thanks Paul.

One change I'd like to request--Remove Delaware. Empirical evidence suggests there are no Hams in Delaware. At least none that work CW. Or, possibly, there is no Delaware!

...

-----  
Date: Fri, 14 Dec 2001 16:51:41 -0700  
From: "Rod N0RC" <rod@n0rc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [114869] Re: Remove from List  
Message-ID: <008a01c184fa\$4798a100\$6401a8c0@greyrock>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Just put yourself on suspend, no email is delivered. Details in the  
FAQ at:

<http://www.radioactivehams.com/~n0rc/qrp/faq.html>

\*\*\*Happy Holidays\*\*\*  
73, Rod N0RC  
Ft Collins, CO

----- Original Message -----

From: "OJ Lougheed" <ojl@nerpa.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, December 14, 2001 4:28 PM  
Subject: Remove from List

> Several e-mails to the list manager have accomplished nothing. I'm  
leaving  
> town for a month (with no net access) and I don't need my mailbox  
CRAMMED  
> with this list... as much as I like it.  
>  
> Would someone PLEASE e-mail me direct with instructions, which I  
can't seem  
> to find... Just in the next hour, so I don't get more e-mail that  
the lists  
> themselves.  
>  
> Thx, 73, O.J. Lougheed  
>  
>  
>

-----  
Date: Fri, 14 Dec 2001 23:55:22 +0000  
From: Larry Cahoon <lejek@erols.com>  
To: rod@n0rc.com,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [114870] Re: [QRP WAS Map 4 free]  
Message-ID: <5.1.0.14.0.20011214234811.023c1e28@pop.erols.com>



Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:46 PM 12/14/2001 -0700, Rod Cerkoney wrote:

>One change I'd like to request--Remove Delaware. Empirical evidence suggests  
>there are no Hams in Delaware. At least none that work CW. Or, possibly, there  
>is no Delaware!

With 111 QSO into DE, 37 of them QRP, and 9 of them QRPP I can attest to  
the existence of the mythical state of DE.

With 107 QSO from DE, 37 of them QRP I can attest to the existence of the  
mythical state of DE. .

73 de Larry.....WD3P in MD, but could be /M or /P anywhere  
<http://www.qsl.net/wd3p/>

-----  
End of QRP-L Digest 2405

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